

# The CHEMIST AND DRUGGIST

RETAILER - WHOLESALE - MANUFACTURER

MARCH 5, 1949

*Effective local Penicillin Therapy  
maintained for one day* WITH **3** PIECES

9 A.M. TO 1 P.M.



2 P.M. TO 6 P.M.



6.30 TO 10 P.M.



# PENICILLIN CHEWING GUM A&H

In Boxes of Six Pieces 3/-  
Each piece contains 5,000  
International Units of  
Penicillin (Calcium Salt)

ALLEN & HANBURY LTD  
LONDON E2

essential vitamins in a water-soluble form



## ABIDEC Drops

PARKE, DAVIS & CO.,  
HOUNSLOW, MIDDLESEX.

*Inc. U.S.A., Liability Ltd.*

A unique preparation! A clear, non-viscous, oily and stable multivitamin solution which solves immediately in water, milk, soup or children's food without altering the taste; it can be dropped directly on the tongue.

One five minim dose supplies an infant's daily requirements of vitamins A and D, and the water-soluble vitamins B<sub>1</sub>, B<sub>2</sub>, C and nicotinamide.

M.R.P. : 5/6 per 10 c.c. dropper-bottle (Exempt P.T.)



PA

**It's advertised as a Chemists line!**

# Elasto

REGISTERED

The Biochemic Tablet

**Sales Aids Free On Request!**

**E**LASTO advertising is widespread and consistent. An ever increasing demand for this product is being created at your very door. Are you taking full advantage of this opportunity for new business created in your area by this vigorous campaign? 'Elasto' sales-aids displayed in your window or on your counter will convert the 'prospect' we have created into a customer for you. And remember repeats and recommendations come freely from initial sales of 'Elasto'

**ONE SHILLING and SIXPENCE PROFIT  
ON EVERY SALE!**

RETAIL (Including Tax)

**RATA**

WHOLESALE (Including Tax)

5/6 per bottle (one month's supply)

48/- per dozen

22/- five bottles (Including one free)

192/- per dozen

**PLEASE NOTE. 22/- Pack (One Bottle Free) Again Available**

**SHOW *Elasto* —  
IT SELLS ON SIGHT!**

THE NEW ERA TREATMENT CO. LTD., CECIL HOUSE, HOLBORN VIADUCT, LONDON

# Rolled Gold

Most pharmacists agree N.H.S. is right. They are glad to service it as an honourable obligation of an honourable profession. But it still suffers from growing pains.

A pharmacist held forth to us the other day about the fantastic wages being asked for dispensing assistance. He does a good turnover in N.H.S. but has to work like 'a black' to do it.

While we were chatting, a customer came in for a proprietary. It was handed to her right away (it was on the counter); she paid 4/-, got 4d. change and the whole transaction took about 20 seconds. He continued—about prescription fees.

Let's face facts. H.M. Government don't like paying profit. When they do, they pay the least. It's right that they should be careful with taxpayers' money. No one wishes otherwise.

Whatever the basis agreed by the N.P.U. for prescription fees, the nett contained in them for the pharmacist cannot, in the nature of things, be large. The usual Civil Service approach to such matters is 'Cost Plus' and if the 'Plus' is 10% it tends to be generous, as indeed it is. On an average of 2/10d. per script this could yield about 2½d. nett to the pharmacist assuming *all* his costs were fully covered—including the spiralling wages for dispensing assistance (one of the

largest cost items). If the sp continues prescription fees must continually and rapidly advanced keep pace. When they lag behind nett diminishes. Or disappears. At best they could only cover actual outgoings with a thin over-lay of nett rather like rolled gold.

And all on credit. Maybe this costed in, too. Or is it? Banks don't give credit for nothing. They make charges when you borrow. Alternatively, funds used to settle a supplier's invoice promptly can earn 2½% or 3% for a few week's use.

We couldn't help contrasting this transaction which brought 33⅓% in 20 seconds—9d. in fact. And cash plus. Indeed, cash plus. If the proprietor's manufacturer's invoice wasn't due another few weeks, the pharmacist loses the money *first*. Maybe he would also get the 2½% or 3½% extra for prompt payment. No overdraft needed on this turnover. Instead, a healthy balance which makes the bank manager open the door for you and call you 'Sir'.

N.H.S. is right enough. But let's get it in right focus. At most it's 10% to 20% of total revenue and carries very little nett. Proprietaries have their rightful place also. But they are larger in both turnover and profit yield. Keep them in right ratio. A trading account showing increased turnover and microscopic nett may be very noble but it certainly isn't business.

Announcement by WALTER CROWE LIMITED

DISTRIBUTORS OF PHARMACEUTICAL & ALLIED PRODUCTS, 3/4, LITTLE RUSSELL ST., LONDON, W.C.



Baby's getting  
Vitamins A & D  
this new, nice way!

## CROOKES HALIBUT OIL EMULSION

JUST three drops in Baby's milk four times a day. That's all! But it ensures Baby getting the right amount of those two essential vitamins — 'protective' A to give resistance to infection, 'sunshine' D to build up sturdy bones and strong teeth. And Baby really doesn't notice those tiny drops. No teaspoonfuls, no trouble now. This new emulsion is milky-coloured, mixes in milk without the slightest trace of oiliness.

Each bottle of Crookes Halibut Oil Emulsion is supplied with a dropper, and contains enough for approximately a 3-weeks' supply. Orders for Bonus Parcels can now be executed immediately.

Mixes unnoticed  
in the milk



### BONUS TERMS

12 x 15 c.c. Vials @ 3/6 Retail £2. 2.0  
Less 25% 10.6

Less 10%

1. 11.6  
3.2

£1. 8.4

### BONUS

1 x 15 c.c. Vial.  
Retail Value 3/6.



1897

*...the first batch  
of EMETINE is made in  
Thomas Whiffen's factory*



THERE is a glowing record of adventure, individual effort and research in the story of EMETINE. Beginning in the primeval forests of Brazil where the Ipecacuanha root is found, the story distinguishes the names, first of Pelletier and Mafendie who, in 1817, discovered the presence of EMETINE in this root, and then of Paul and Cownley who were the first workers to isolate EMETINE in a pure form.

As a result of their close association with these noted analysts, Whiffens commenced the manufacture of

this important alkaloid in 1897

A further far-reaching discovery was made in 1912 by Dr. (Sir) Leonard Rogers who proved EMETINE'S great specific value in the treatment of Amœbic Dysentery

From this date onward EMETINE gained greatly in importance and as a result, output, which had only been a few ounces in 1898 and a few hundred ounces in 1913, increased tenfold. It proved of immense service to our armed forces serving in tropical and sub-tropical areas during the two world wars.

# WHIFFENS

*Manufacturers of Fine Chemicals for nearly a century*

WHIFFEN & SONS LTD (British Chemicals & Biologicals Ltd)  
Fulham · London · SW6 · Tel: Renown 3416 · Grams: Whiffen London

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## Protection against colds

**ESOBACTULIN**—A five-day course consisting of 6 capsules gives most people 3 months' immunity from colds.

Complete Course 8/3 including P.T. Trade Discount : 33 $\frac{1}{3}$ %

\* The special bonus offer of 13 to the dozen will be withdrawn on March 12

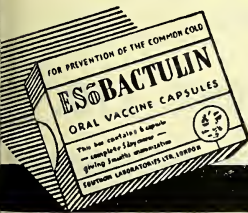
Supplied through YOUR Wholesaler

Show material will be sent direct on request



POCKET CALENDARS

For counter dis-  
tribution write for  
supplies now



**SOUTHERN LABORATORIES LIMITED**  
UPPER RICHMOND ROAD, LONDON, S.W.15

**ESOBACTULIN**  
protection against colds

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# *annual tenders for* **Disinfectants**

Reliability of quality and delivery are essential for Local Government requirements.

As the largest suppliers and specialists in this type of business we offer an unrivalled service for direct despatch under your own name.

## **PRINCE REGENT TAR COMPANY LTD.**

(Managers: BURT, BOULTON & HAYWOOD LTD)

**BRETENHAM HOUSE, LANCASTER PLACE, LONDON, W.C.2**

Telephone : Temple Bar 5801 (8 lines)

Telegrams : "Burboul, Rand, London"



**UNITED**  
FOR THE PRESERVATION  
OF INDIVIDUALITY



## Meeting two modern needs



The bottle position has improved for SANIDENT and ZOFLORA sizes and we are now able to supply in greater quantities.

### SANIDENT

#### Denture Cleaner

Twenty years of regular use have proved its efficiency and safety.

Retail 1/4½

LAST THING  
EVERY NIGHT



### Zoflora

#### Perfumed

#### DISINFECTANT

is an efficient germicide, fragrant with strongly antiseptic floral oils and synthetics, and is especially suitable for the spraying of rooms, to dispel tobacco, cooking or unwanted odours. It is of particular value in the sickroom, where it purifies the atmosphere and refreshes nurses and patients alike.

Retail Price 2/-  
Complete Spraying  
Outfit 10/6.

PURIFIES  
THE AIR

Usual Trade Discounts

TR410

**THORNTON & ROSS**  
LIMITED  
*Manufacturing Chemists*  
LINTHWAITE HUDDERSFIELD

## Selling the truth

THE Medical profession is giving yeast its true status as an essential source of Vitamin B and proteins—as a food and not a mere pick-me-up. Yestamin advertising helps to spread this truth and the nation-wide sales of Yestamin show that daily yeast is recognised as an important contribution to the health value of a restricted national diet.

In Bottles	to retail at	Trade Prices
100 TABLETS	1/6	12/3 PER DOZ.
300 TABLETS	4/-	33/- PER DOZ.

Less 5% Cash in 14 days

Vitamin B.1..... 2.10 mgms. per os.  
Riboflavin (B.2)..... 1.45 mgms. per os.  
Niacin..... 9.50 mgms. per os.

## Yestamin DAILY YEAST

THE ENGLISH GRAINS CO. LTD. BURTON-ON-TRENT

For  
cool  
customers

**Victory V**  
GUMS & LOZENGES

FRYER & CO. (Nelson) LTD., NELSON, LA

# A new lower strength tablet of **'ESTIGYN'** **ETHINYL ŒSTRADIOL B.D.H.**

*Now available in 0.01 mg. size*

Estigyn', in addition to its qualities of high potency and convenience for oral administration, has the following outstanding properties :—

- 1** *Being a derivative of the natural œstrogen, it is non-toxic.*
- 2** *It produces a sense of well-being.*
- 3** *It has a marked pituitary-inhibiting action and is therefore of special value in menopausal symptoms and inhibition of lactation.*

## PRICES

Tablets of 0.01 mg.	Trade	Retail
Bottles of 25 tablets.....	1/10	2/9
Bottles of 100 tablets.....	6/6	9/9
Bottles of 500 tablets.....	29/-	43/6
<b>Tablets of 0.05 mg.</b>		
Bottles of 25 tablets.....	2/8	4/-
Bottles of 100 tablets.....	9/8	14/6
Bottles of 500 tablets.....	43/6	65/3

*(Each 0.05 mg. tablet is scored for convenience in giving doses of 0.025 mg.)*



ESTABLISHED  
1904

**Specialists**  
in the manufacture  
of  
**Tablets**  
and  
**Pills**

**40 years of Specialised  
Manufacturing Experience**  
assure you of

## **QUALITY and ACCURAC**

**PACKED TABLETS**, with Chemist's Own Na Labels if desired, supplied in 2 sizes 25's a 100's (with a few exceptions packed in 5 only).

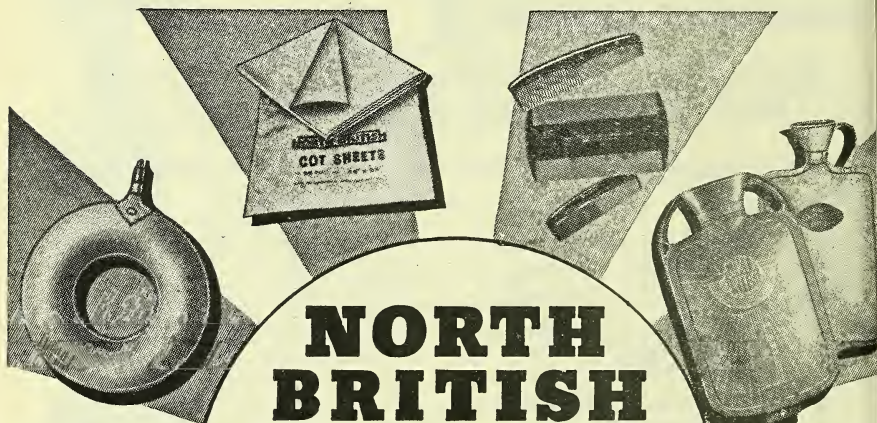
**BULK TABLETS**, including NF and NWF lin supplied in convenient quantities from 1 upwards.

**SACCHARIN TABLETS** in pkts. of 100 or in Bu

*The*  
**Cooper Laborator**  
**Watford**

Telephone 1  
8612

Telegrams:  
"Science"



# **NORTH BRITISH**

**FOCAL POINT FOR RUBBER PRODUCT**

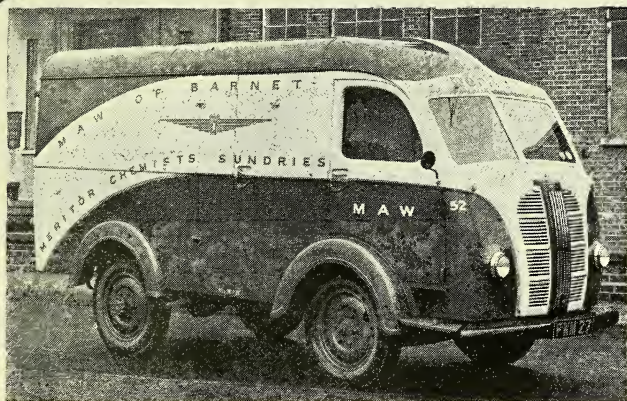
Air Cushions, Hot Water Bottles, Nursing Aprons, Water Beds, Cot Sheets, Combs and many other high quality NORTH BRITISH Rubber Products in steady demand are obtainable through your wholesaler.

HW14

THE NORTH BRITISH RUBBER CO. LTD. EDINBURGH, LONDON & BRANCHES



**FIRST WITH THE BEST SUNDRIES!**



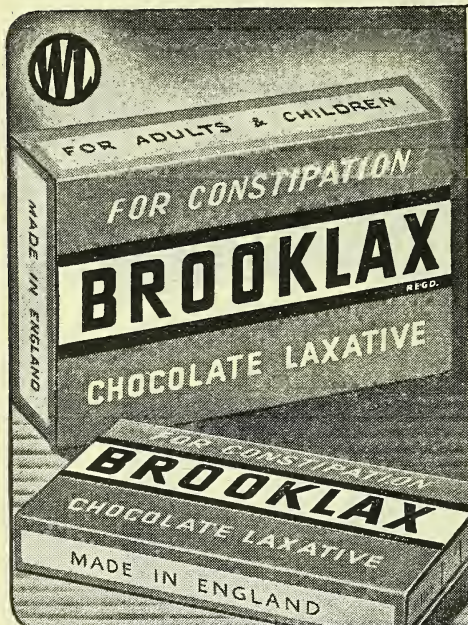
## MAW'S MOTOR DELIVERY SERVICE

- REGULAR DELIVERIES IN THE GREATER LONDON AREA
- MANY COUNTRY SERVICES  
(Full particulars on request)

## OFFERS YOU PROMPT DESPATCH OF

MERITOR TOOTHERUSHES  
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PROPRIETARIES

**S. MAW, SON & SONS LTD**  
ALDERSGATE HOUSE : BARNET : HERTS



## 5 REASONS

why you should display  
and recommend BROOKLAX

- 1 BROOKLAX satisfies the highest pharmaceutical standards.
- 2 BROOKLAX commands wide sales both at home and in 65 markets the world over.
- 3 BROOKLAX is 100% British.
- 4 BROOKLAX is 100% C.F.
- 5 BROOKLAX brings you both PRESTIGE and PROFIT.

A Product of

WESTMINSTER LABORATORIES LTD.

Chalcot Road, London, N.W.1

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*At the sink  
or in the swim..*

the PUCK  
Undercap gives  
perfect protection.  
It sells all the year through  
as a dust-cap, bath-cap or swim-  
cap, but there is a rush in the summer.  
Be prepared for it by ordering NOW.



Supplied in outers containing  
4 dozen assorted (red, yellow,  
pale blue and white). Each  
cap packed in window car-  
ton to show colour

Retail  
Price

**1/3**  
INC. TAX.

**Puck**

BATH CAP  
SWIM CAP  
DUST CAP

GROVEWELL LTD

656 Forest Road, Walthamstow, London, E.17  
Only Wholesalers Supplied

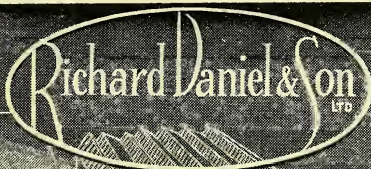
## NOW NATIONALLY ADVERTISED

For years there has been a big  
demand for this old-established,  
well-known remedy. Now that we  
have embarked on advertising in  
National and Women's publications  
the demand will be greater  
than ever. Supplies are a  
little easier so be sure you  
get your share.

**NURSE  
HARVEY'S  
MIXTURE**



O. SCRUTON & CO. LTD.  
BARKER LANE, YORK



PROPRIETARIES  
SUNDRIES DRUGS  
TABLETS & PILLS

FOR  
CHEMISTS

*Manufacturing  
Chemists*

Head Office & Works Mansfield Road Derby Telephone 4266 (3 lines) Branch Warehouse Grosvenor St. Ashton Lyne Telephone 2816 (2 lines)

**Dimples**  
Trade Mark.

— A Good Line for Baby  
and a Good Line  
for the Chemist

Are you getting the benefit of these new  
1949 prices for Dimples Feeding Bottles?

			One doz.	Three doz.	Six doz.
Double-ended 8 oz.	-	-	9/-	8/9	8/6 per doz.
No. 1. Upright 8 oz.	-	-	8/-	7/9	7/6 " "
Double-ended 4 oz.	-	-	7/6	7/3	7/- " "
No. 1. Upright 4 oz.	-	-	7/6	7/3	7/- " "

GOOD BOTTLE • A GOOD PACK • A GOOD PRICE

Dimples feeders supplied with Anti-Colic Teat, are packed in attractive buff cartons. Transparent tissue wrapping prevents soiling in stock or on display.

Dimples Anti-Colic Teats, in buff cartons (one dozen in display outer). Price 2/- per dozen, 21/- per gross.

*Dimples Feeders and Teats are supplied to chemists only.*

MACDONALD & SON LTD HOPE MILLS, POLLARD STREET, MANCHESTER, 4

# AYRTON'S

**SPEED AND CERTAINTY**  
are necessary where Penicillin and  
its Preparations are concerned

ALL SUPPLIES ARE POST-PAID  
SAME DAY AS ORDER RECEIVED

# PENICILLIN



## A GOOD FAMILY LINE WITH A STEADY TURNOVER

HERBALENE, a nationally advertised herbal laxative, has a deservedly high reputation, for its gentle, *natural* action makes it suitable for young and old alike.

### RETAIL PRICES

1/6, 2/6 & 3/8

Including Purchase Tax

Obtainable from wholesalers or direct from address below. Attractive show-card available on request.

### TRADE PRICES

10/-, 16/- & 24/- per doz.

Plus Purchase Tax

Please enquire for details of how to obtain free a Rubber Door Mat advertising HERBALENE.

## LUSTY'S NATURAL PRODUCTS CO.

(C.D.) 278 LONDON ROAD,  
WESTCLIFF-ON-SEA

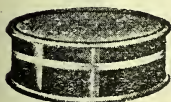
## PILL BOXES



SCARLET  
(G.P.O.)

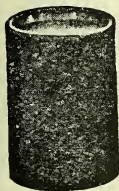
WHITE  
(P.I.)

PURPLE  
W.E. (P.I.)



PURPLE  
FLANGED

## LITTLE JOHN" DRUMS



CRYSTALS. POWDERS,  
TABLETS

## OINTMENT BOXES



CHEPETTE  
GREASEPROOF



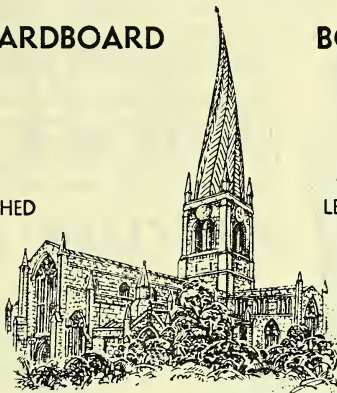
SEALITE  
WAX IMPREGNATED

# ROBINSONS' OF CHESTERFIELD

For CARDBOARD BOXES

FIRST  
ESTABLISHED  
1839

STILL  
LEADING  
1949



FOR OVER A CENTURY

## STOCK ROUND BOXES FOR THE CHEMIST

HAVE BEEN  
MANUFACTURED  
BY

**ROBINSONS' OF CHESTERFIELD**

All boxes in these categories are now  
back to pre-war standards.

The quality being improved by modern methods  
of manufacture.

Specifications and standards are in accordance with—  
**N.H.S. and B.S.I. Specifications.**

Supplies are **Unrationed** and your full order can be  
met through your usual source.

TELEGRAMS:  
"BOXES,  
CHESTERFIELD."

**ROBINSON & SONS, LTD.,**  
Wheat Bridge Mills,  
CHESTERFIELD.

TELEPHONE:  
2105  
(6 LINES.)

LONDON OFFICE: KING'S BOURNEHOUSE, 229-231, HIGH HOLBORN, W.C.1.  
TELEPHONE: HOL. 6383.

— IN CONSTANT DEMAND —

# These famous Preparations of the **SHAVEX ZEE-KOL Co. LTD.**

AT THE 'IDEAL HOME' EXHIBITION (Empire Hall)

Be sure to see **STAND No. 350** (1st Floor, Beauty and Fashion Section)  
and **STAND No. 439** (2nd Floor, Men's Section)



Widely and consistently advertised in the National Press and accurately prepared from the purest of ingredients. these 6 outstanding preparations are known and recognised for their high quality and effectiveness, assuring regular sales with good profit margins.

## HAIR GLEM

The matchless Hair  
Dressing and Hair Tonic

NO STICKINESS  
NO FLAKING

Retail Price 1/9 (Inc. Tax)

## EAU DE COLOGNE

II

The Finest perfume made

Retail Price 3/- (Inc. Tax)



## DOGE CREAM

The Marvellous Complexion  
Restorer

Retail Price 1/9d. and 3/6d.  
(Inc. Tax)



## SHAVEX BRUSHLESS SHAVING CREAM

The perfect 2-minute shave. First on the market  
Keeps the skin young—takes wrinkles away  
Retail price Jars and Tubes 1/3d. & 1/10½d. (Inc. Tax)



## ZEE-KOL OINTMENT

The WonderSkin  
Healer — cures  
where it touches  
the skin

Retail Price 1/7d.  
& 3/9½d. (Inc. Tax)

## ZEE-KOL ALMOND OIL TOILET SOAP

Cleanses and purifies  
the skin. Retail Price  
8½d. per tablet  
(Inc. Tax)



Place your Order **NOW** with :—

**SHAVEX ZEE-KOL Co. LTD.**

40 BAVARIA ROAD, LONDON, N.19

Telephone : ARChway 3596

POTTER AND CLARKE LTD



Visit our Exhibit at the B.I.F. Olympia  
STAND B.21

# TOYTOWN

*a Splendid Range  
of Children's Remedies*



Potter & Clarke break fresh ground in offering the trade this fine list of Children's Remedies, the liquids being flavoured especially for the youngsters. Put up in up-to-date modern colourful packs, they should prove a profitable proposition. Up to the present the list is as follows:—

- TONIC
- SOOTHING SYRUP
- COUGH MIXTURE
- VAPORISING OINTMENT
- LAXATIVE
- BABY POWDER

12/6 doz. 6 doz. 12/3 per doz. 12 doz. 12/- per doz.  
(excluding Purchase Tax)

- ZINC & CASTOR OIL OINTMENT

6/6 doz. 6 doz. 6/3 per doz. 12 doz. 6/- per doz.

A most attractive display stand is offered  
the trade (illustrated) and available from  
our representative.

## POTTER & CLARKE LTD.

Artillery Lane, London, E.1.



# EXTRACTS

FOR ALL PURPOSES

\* \* \* \* \*  
CONCENTRATED NON-ALCOHOLIC SOFT EXTRACTS FOR MAKING  
INFUSIONS · DECOCTIONS · TINCTURES · LIQUID EXTRACTS · ETC.

\* \* \* \* \*  
MEDICINAL RESINS · OLEO · RESINS · RESINOIDS · TINCTURES

## RANSOM'S

SPECIALLY PREPARED

## SOLUBLE EXTRACTS

PRESENT THE FOLLOWING ADVANTAGES

These extracts are readily soluble and the resulting solutions need no filtration

They contain no spirit

Occupying less volume than the corresponding liquid product they economise in freight space


They were first put on the market by ourselves

DRUGS GROWN ON OUR OWN FARM INCLUDE

BELLADONNA      HENBANE      FOXGLOVE

LAVENDER      CHAMOMILE      PEPPERMINT

HEMLOCK      LETTUCE



ESTABLISHED




1846

### WILLIAM RANSOM & SON LTD.

*Growers of medicinal plants for over a century*



*That's better!*

Fewer restrictions —  
greater manufacturing capacity.  
It is with real pleasure that we are  
able once again to welcome enquiries  
for our unequalled range of Salicylates.  
Write for Booklet

- **ASPIRGRAN**
- **ACETYL SALICYLIC ACID B.P.**
- **SALICYLIC ACID B.P.**
- **SODIUM SALICYLATE B.P.**
- **METHYL SALICYLATE B.P.**

**MONSANTO CHEMICALS LIMITED**

VICTORIA STATION HOUSE • LONDON • S.W.1

57/0/107



# PRICES REDUCED

## on BRITISH SCHERING Products

The increased demand for British Schering products and reduced costs in our new factory at Hazel Grove, have enabled us to effect a number of price reductions.

These reductions become effective to the trade from February 1st, 1949, and to the public from March 1st, 1949.

Carriage. We have much pleasure in announcing that *all* goods are now despatched from our warehouse *carriage paid*.

PREPARATION	PACKAGES	NEW RETAIL PRICE	PURCHASE TAX
<b>ALBUCID</b>			
Sulphacetamide	Oral tablets 7½ gr. (0.5 Gm)		
	tubes of 20 .. .. .	4/-	EXEMPT
	bottles of 100 .. .. .	16/6	
	" " 500 .. .. .	71/6	
<b>ALBUCID SOLUBLE</b>			
Sulphacetamide	Eye Ointment		
Sodium	tubes of 60 gr. x 2½% .. .. .	1/-	EXEMPT
	" " 60 gr. x 6% .. .. .	1/-	
	Powder		
	bottles of ½ oz. .. .. .	3/6	
	" " 1 oz. .. .. .	6/-	
	" " 8 oz. .. .. .	42/-	
	Powder—pH adjusted		
	bottles of ½ oz. .. .. .	3/9	
	" " 1 oz. .. .. .	6/6	
	" " 8 oz. .. .. .	46/-	
<b>ATOPHAN</b>			
Cinchophen	Powder 1 oz. .. .. .	7/6	1/10½
	Tablets 7½ gr. (0.5 gm)		
	tubes of 20 .. .. .	3/6	10½
	bottles of 100 .. .. .	14/-	3/6
	" " 500 .. .. .	62/6	15/7½
<b>ORALUTON</b>			
Ethisterone	Tablets—bottles of 10 x 5 mg .. .. .	6/9	EXEMPT
<b>PROGYNON</b>			
Oestrone	Tablets 0.1 mg (1,000 i.u.)		
	bottles of 30 .. .. .	6/9	EXEMPT
	" " 60 .. .. .	12/-	
<b>PROLUTON</b>			
Progesterone	Ampoules 1 cc.		
	boxes of 3 x 2 mg .. .. .	3/9	EXEMPT
	" " 3 x 5 mg .. .. .	6/3	
	" " 3 x 10 mg .. .. .	11/-	
<b>THYROXINE</b>			
Di-iodoxyphenyl- ether of di-iodotyrosin	Tablets		
	tubes of 20 x 0.3 mg .. .. .	2/6	EXEMPT
	" " 20 x 1 mg .. .. .	3/9	
<b>UROTROPIN</b>			
Hexamine	Powder—bottles of 1 oz. .. .. .	2/8	8d.
	Tablets 7½ gr. (0.5 Gm)		
	tubes of 20 .. .. .	1/3	4d.
	bottles of 500 .. .. .	20/-	5/-
<b>VERAMON</b>			
Barbitone- amidopyrine	Tablets—bottles of 500 .. .. .	66/-	EXEMPT



**'VASANO'**—New Packing of 10  
Tablets now available—10/-, P. Tax 2/3  
167-169, GREAT PORTLAND STREET  
LONDON, W.1

# CUT ALL RISK OF LOSS ON PURCHASE TAX

and get *Wisdom Quantity Terms plus Bonus!*

**WISDOM** Post-Budget Delivery Scheme operates as follows. You place an order *now* for one gross or more toothbrushes—made up of **Wisdom Extra** and **Wisdom Bristle** in any proportion you like. These will be delivered *after the Budget and subject to the Purchase Tax then ruling*. On the understanding that you use **Wisdom** display aids for two weeks, you will also receive one dozen **Wisdom Extra** (hard) *free of charge*, with any due Purchase Tax paid by **Addis Ltd.**



## YOU BENEFIT IN 4 WAYS

1. By taking advantage of this offer you benefit in four ways:

2. You eliminate all risk of loss on toothbrushes if Purchase Tax is reduced.

3. You get for nothing one dozen **Extra** toothbrushes which you can sell for £1 : 3 : 0. Purchase tax remains at 33 1/3%.

3. Because you are buying a gross of toothbrushes, you get quantity terms. This makes a further saving of 4d. a dozen on **Wisdom Extra** and 5d. a dozen on **Wisdom Bristle**.

4. Although they do not qualify for the display bonus any other **Wisdom** lines can also be ordered at quantity terms for delivery after the Budget.

## ORDER NOW!

**LOSING DATE MARCH 31st**

To **ADDIS LTD., HERTFORD.** Please supply the following **Wisdom Extra** and **Bristle** brushes through wholesaler named below for delivery after Budget at P.T. rate then ruling. In return for 1 doz. **Wisdom Extra** free with P.T. paid I will give these brushes good display for 2 weeks. Prices below are nett: any P.T. is additional.

TYPE	PRICE PER DOZEN			TEXTURE	QUANTITY
	Less than 1 gross	Total order 1 gross and over	Total order 5 gross and over		
WISDOM BRISTLE	16/3	15/10	15/1	HARD	
				MEDIUM	
WISDOM EXTRA	12/6	12/2	11/7	EXTRA HARD	
				HARD	
				MEDIUM	

**NAME AND ADDRESS (Please use rubber stamp)**

**My wholesaler is:**

# HEWLIX

BRAND TRADE MARK

## VITAMIN ELIXIR


THE MOST PALATABLE WAY OF ADMINISTERING VITAMINS, MINERALS AND GLUCOSE. AN ELEGANT CHILDREN'S TONIC HAVING RAPID ACTION WITH SUSTAINED EFFECT

AMBER BOTTLES OF 4 fl. oz. 8 fl. oz. 20 fl. oz. 90 fl. oz.

FULL PROFIT MARGIN

**C. J. HEWLETT & SON LTD**  
35-43 CHARLOTTE ROAD, LONDON, E.C.2  
also at 48 Carstairs Street, GLASGOW, S.E.

**JACKSON'S**  
**FEBRIFUGE**



*the family medicine*

**1/7, 3/10, 6/4**  
inc. Purchase Tax

Also other famous specialities:—  
Camomile Ointment  
and  
Drawing Ointment

**GEORGE JACKSON & SONS LTD.,**  
Brewery St, Harpurhey, Manchester. 9.

# PROPAX

DOUBLE POWER  
**TABLETS**

*Really Stop Pain*

A double power analgesic  
in ever increasing demand  
Prompt delivery from a  
wholesalers or direct from

**SPLENDOR**  
**LTD.**

4d, 7½d, 1/7 and 2/9 Incl. P. T.  
LONDON and NOTTINGHAM

PA

# The BLAND, SOOTHING Iodine Ointment

There is no form of iodine more bland than 'Iodex'. Even on open wounds and sensitive faces it is soothing, inflammation-reducing, and resolvent. Its wide field of usefulness has been recognised by doctors for over thirty years, and it is regularly prescribed for such conditions as enlarged glands, joint and muscle pains, minor injuries, and certain parasitic skin affections.

## 'IODEX'

IODINE OINTMENT

**WENLEY & JAMES LTD.**

3 Coldharbour Lane, London, S.E.5.



**1-OZ. JARS**

*Trade Price*

18/9 per dozen, plus 6/3 tax

*Retail Price*

2/9 each, inclusive of tax

*Supplied also in 4-oz. Jars*

*"Universal"*

## EMBROCACTION

4 oz. bottles 7/6 doz. Plus P.T. 33 1/3%

... an old and well tried  
"White Oils" Embrocation  
made exclusively by ...

**J. M. SMITH & Co. (London) Ltd**  
Hampton Chemical Works, Camelot Street, S.E.15

## NIGROIDS

for throat and voice are now available in any quantity from your Wholesaler or direct. Advertising has been issued to the Press and should create a greater public demand.



Prepared in the laboratories of  
**FERRIS & CO., Ltd., BRISTOL**

# MILLAMALT

sole Manufacturers: **JEFFREYS, MILLER & CO. LTD** (A6500 I.U., D400)  
Wyland Mills, Wigan. London Dept. 19 Brookside Rd. N (I.U. PER FL. OZ.)



Malt Extract with  
added Natural Vitamins

## Compressed TABLET SERVICE

WHOLESALE & EXPORT

Clients' own material operated if desired. Reasonable estimates.

**The DALES ASPIRIN AND TABLETING CO.** Barrows Lane, STEETON, Yorks.

# The richest natural vitamin - protein - mineral supplement **Bemax**

The nutritional factors of Bemax are well demonstrated in the table of assay figures shown below—

VITAMINS (per oz.)			
B <sub>1</sub>	0.45 mg.	nicotinic acid	1.7 mg.
		pyridoxine	0.45 mg.
riboflavine	0.3 mg.	E	8.0 mg.

PROTEIN, MINERALS, etc.			
protein (first-class—see*)	30%	mineral salts	4.5%
carbohydrate	39%	moisture	5%
fat	8.5%	fibre	2%

## ESSENTIAL AMINO ACIDS

	fresh weight basis	16% N basis
arginine	2.5%	8.3%
histidine	0.9%	3.0%
lysine	1.8%	6.0%
tryptophane	0.3%	1.0%
phenylalanine	0.9%	3.0%
cystine	0.3%	1.0%
methionine	0.5%	1.6%
threonine	1.2%	4.0%
leucine	2.1%	7.0%
isoleucine	1.3%	4.3%
valine	1.6%	5.3%

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*Vitamins Limited*

Upper Mall, London, W.6.



*Remember to keep*

**SILBE**

BRAND

**ASTHMA TABLETS**

in stock and avoid disappointing your customers. Attractive Display Cartons. Backed by National Advertising in over 100 Daily, Sunday and Weekly Journals.

ORDER FROM YOUR WHOLESALER TO-DAY!

SILTEN LTD., SILTEN HOUSE, HATFIELD HERTS

# *A Delicious, Concentrated Vitamin Food*



'VIMALTOL' presents special advantages to the physician requiring a product which incorporates important vitamins in a form entirely pleasant and acceptable to every patient.

'Vimaltol' is made from specially prepared malt extract of high protein content, yeast—one of the richest sources of vitamin B—and Halibut Liver Oil, an important source of vitamins A and D. It is also fortified with additional vitamins and mineral salts, and is deliciously flavoured with orange juice.

'Vimaltol' is thus an important aid in the treatment of the many abnormal conditions resulting from the deficiency of one or more of the essential vitamins in the average every day dietary.

The routine use of 'Vimaltol' assists normal development of the growing organism and the maintenance of correct metabolism, while raising the general resistance against infection.

'Vimaltol' has thus a very wide application in general practice for children and adults of all ages. It can be recommended with advantage at all seasons.

On the **PATA**

*Wholesale Prices:*

1 lb. jars 27/- ; 2 lb. jars 49/6.  
(Exempt from Purchase Tax.)

*Retail Prices:* 1 lb. jars 3/- ; 2 lb. jars 5/6

**A. WANDER LTD.**  
*Manufacturing Chemists*

Upper Grosvenor Street, Grosvenor Square,  
London, W.1.

# ENTROSALYL

## Capsules

A new presentation of sodium salicylate in capsule form which obviates all the disadvantages associated with the administration of sodium salicylate in its usual form.

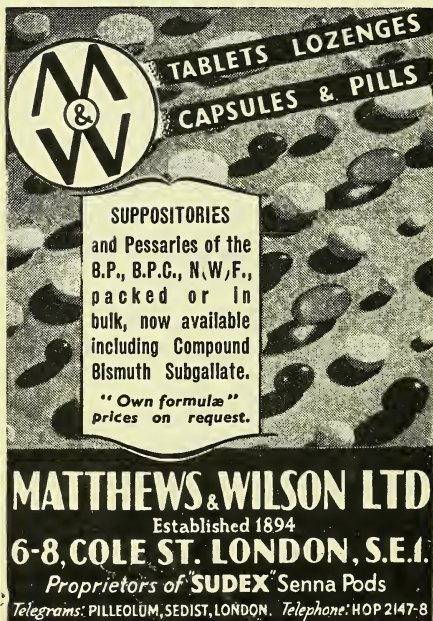
● Each capsule contains 0.50 gm. sodium salicylate and may be taken with complete freedom from nausea or gastric irritation.

P.A.T.A. retail prices

50's	-	-	-	4/10½
200's	-	-	-	17/7½
1,000's	-	-	-	68/2½

## CONTINENTAL LABORATORIES LTD.

101 Great Russell Street, London, W.C.1.



**TABLETS LOZENGES**  
**CAPSULES & PILLS**

**SUPPOSITORIES**  
and Pessaries of the  
B.P., B.P.C., N.W.F.,  
packed or in  
bulk, now available  
including Compound  
Bismuth Subgallate.

"Own formulae"  
prices on request.

**MATTHEWS & WILSON LTD**  
Established 1894  
**6-8, COLE ST. LONDON, S.E.1.**  
Proprietors of "SUDEX" Senna Pods  
Telegrams: PILLEOLUM, SEDIST, LONDON. Telephone: HOP 2147-8

*At your service  
for*

**PROPRIETARY ARTICLES  
PHARMACEUTICAL PREPS.  
DRUGGISTS' SUNDRIES  
DRESSINGS**

**N. & M. GOULD LTD.**

Wholesale Chemists' and Druggists'  
Sundriesmen

62, 64, 66, STONEY LANE

LONDON, E.C.3



Bishopsgate 7734, 5355 **PATA**

# ADAPRIN

## TABLETS

*for the treatment and prevention of*  
**CHILBLAINS**

A new «**WB**» product recently introduced to meet a widespread need, ADAPRIN tablets contain the Vitamin K analogue (Acetomenaphthone 10 mgm.) and Vitamin PP (Nicotinamide 50 mgm.) in proportions suitable for the effective treatment and prevention of Chilblains.

*Three to four tablets daily provide relief in most cases within a short period.*



The ADAPRIN Display Pack is an unique sales unit complete with literature for the interest of your customers.

Attractive Showcards are also available for Window and Counter display.

Available in units of 12 tubes of 25 tablets. Retail price 2/6 per tube  
(Subject to usual discounts)

**ARD, BLENKINSOP & CO. LTD.**  
**6 HENRIETTA PLACE, LONDON, W.1**

Telephone: LANGHAM 3185

Telegrams: DUOCHEM, WESDO, LONDON

# MERCOLIZED WAX

*for the complexion*

# CLYNOL BERRIES

*for obesity*

SUPPLIES NOW AVAILABLE IN ANY QUANTITY

Please send your enquiries to our Distributors:—

**POTTER & MOORE LTD.**

Lavender House, Seymour Road,  
Leyton, E.10

**DEARBORN (1923) LTD.**

"KERN HOUSE," 36/38, KINGSWAY, LONDON, W.C.2

**We have over 60**

● ● ● ● ● ● ● ●  
**years experience**

● ● ● ● ● ● ● ●  
**of making pills,**

● ● ● ● ● ● ● ●  
**capsules and tablets**

● ● ● ● ● ● ● ●  
**for home and overseas**

**HOWARD LLOYD  
& CO. LTD.  
LEICESTER**



**Galjado**  
THE UNIVERSAL FAVOURITE  
FOR OVER  
20 YEARS

**HAIR COLOUR RESTORER**  
H.T.A. For Grey and Faded Hair P.A.

Complete Catalogue of Perfumery and Toilet Preparations sent on request

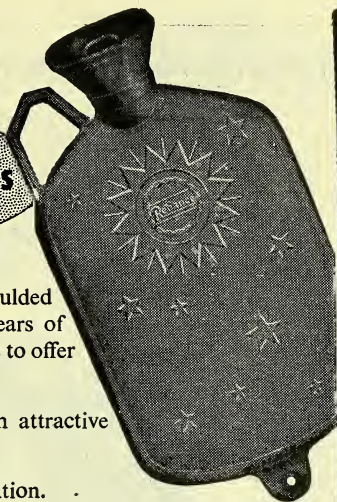
All products obtainable from your usual wholesaler direct from

**S. SIGAL & CO. LTD.**

MANUFACTURERS OF EXCLUSIVE TOILET PREPARATIONS  
47 TABERNACLE STREET, LONDON, E.C.1

# Reliance

**MOULDED SEAMLESS HOT WATER BOTTLES**  
**THE ORIGINAL BRITISH**



As the originators and largest Manufacturers of Moulded Seamless Hot Water Bottles—and with nearly 60 years of experience in Rubber Moulding behind us, we are able to offer you the finest quality and service.

We are now producing new and beautiful designs in attractive colours which we have proved will stimulate sales.

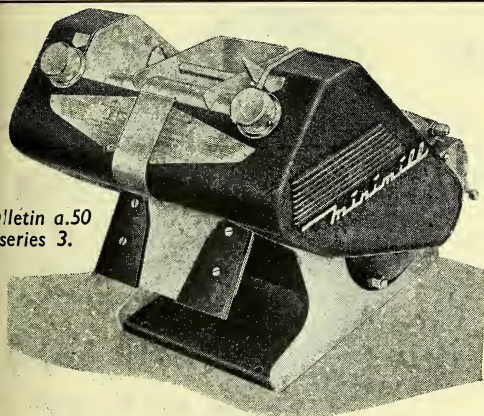
Inquiries are welcome and will have our prompt attention.

**RELIANCE RUBBER CO. LTD - LOTS ROAD - LONDON - S.W.10**

Telephone: Flaxman 6200 and 098516

ESTABLISHED 1889

Telegrams: 'Doorstop' Fulroad, London.



**B.I.F. 1949**  
**Stand C. 48**  
**Olympia**

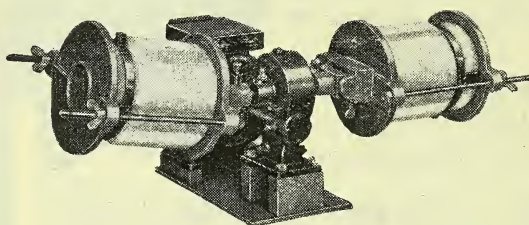
**a new series . . .**

bulletin a.50  
series 3.

"MINIMILL" twin-roll mills are now available in two size groups, to cover laboratory and small scale production requirements. New right through, these latest machines in a well-known series incorporate a host of up-to-date features, and are eminently practical. Rolls are self cleaning, and require only a light run over with cloth to remove any fine film remaining. Stainless steel hopper and knife ensure maximum cleanliness and hygiene. See these fine machines on our stand at the B.I.F., together with a range of new machines on view for the first time.

**THE BOYD-NORMAN MFG. CO., LTD.,**  
**154-157, HIGH HOLBORN, LONDON, W.C.1**

**CABLES:**  
**NORFACTO, LONDON**

**laboratory ball mill and mixer . . . . .***the laboratory  
unit with a  
new angle  
on mixing*

Extremely useful for processing small quantities of powders and liquids. Can be used either as a ball mill or without the ball charge for mixing. This

**PASCALL**

unit is arranged with two porcelain jars clamped to rotating tables which can be off-set to the axis, an arrangement that imparts a rolling, figure 8 motion to the material and speeds up mixing.

Write for List  
CD 349

THE PASCALL ENGINEERING CO. LTD., 114, LISSON GROVE, LONDON, N.W.1

**“SURCO”**

RELIABLE

**ELASTIC HOSIERY**

SEAMED AND SEAMLESS

For special garments to measure  
we give the best possible service

**SURGICAL BELTS  
TRUSSES AND SUNDRIES**

50 years' service of  
everything Surgical

**SURGICAL HOSIERY CO. LTD.**

Russell Street - NOTTINGHAM  
Telephone No. 75903 Telegrams: Surgical Notcm



*to maintain your contacts in*

**NORTHERN  
IRELAND**

*by inserting your announcements  
in the advertisement columns of*

**Belfast Telegraph**

*The newspaper with the largest  
circulation and the established  
goodwill of the people through-  
out the whole of this important  
industrial and agricultural  
part of the UNITED KINGDOM*

HEAD OFFICE  
ROYAL AVENUE, BELFAST

LONDON OFFICE  
112 FLEET STREET, E.C.4

# XTRA COMFORT

*when it's specially needed*

## No. 1. Illness

People confined to bed for long periods will welcome the extra comfort from a Dunlopillo Latex Ring Cushion. Placed under any part of the body, it quickly brings relief and rest. It is always ready for immediate use, and cannot puncture. Invalids, travellers and expectant mothers find this light, conveniently sized cavity cushion handy and beneficial.

Dunlopillo Latex Foam Ring Cushions are once again available for the Home Market.

Retail Price 11/8. Type E.105045. 16" diameter. 5" hole.



# DUNLOPILLO

*The original* **LATEX FOAM**

Dunlop Rubber Co. Ltd., Dunlopillo Division, Rice Lane, Walton, Liverpool 9. London: 19-20 New Bond Street, W.1

FOUNDERS OF THE LATEX FOAM INDUSTRY

9D/D5

**D & P x J & B =**  
*speed & efficiency*

A new prescription which, translated, means that Developing and Printing by Jones & Bailey with their "up-to-the-minute" equipment and fully experienced staff is assured of top-speed, efficiency, quality and punctuality.

### GRAFTON FILMS

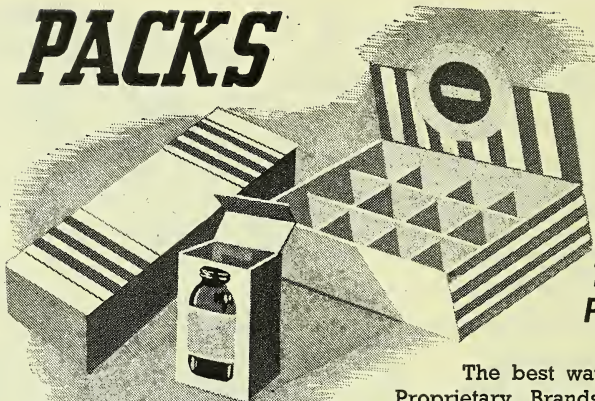
In the event of short supplies we can assist customers with limited quantities of these rolled films in '20' and '127' sizes. An entirely new product with a new emulsion, a new base and a new high standard of quality Panchromatic 28°.

Enquiries to:

# JONES & BAILEY LTD.

66/72, BREWERY ROAD, LONDON, N.7

# PACKS



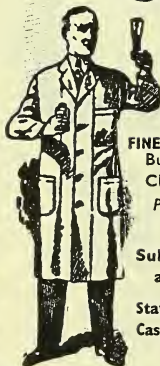
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**PRODUCTS.**

The best way to publicise your  
Proprietary Brands is to give them  
"eye appeal" with packs of attractive  
design, soundly manufactured. Let us send  
you samples to suit your individual needs

**J. DRING LTD.** THE AIRPORT PORTSMOUTH.

Tel. 74448/9

## GARDINER'S FOR COATS



### LONG COATS

WHITE DRILL, 3 coupons  
3 Outside Pockets - - 21/6  
Post and packing 1-9d., 2-1/-

FINE WHITE DRILL, 2 coupons  
Button 3, 3 Outside Pockets,  
Chest—32" to 46" - 14/11  
Post and packing 1 or 2-9d.

ALL SHRUNK

Subject to Price Fluctuation  
and Supplies available.

State Chest Measurement. Send  
Cash and Coupons with Order,  
over £2 Carriage Paid.

**Gardiner & CO.** (The Scotch  
House) Ltd.

1, 3 and 5 COMMERCIAL ROAD, LONDON, E.1  
Opposite Aldgate East Station. Phone: 418 6701 (3 lines)  
Branches: DEPTFORD, S.E.8;  
WOOLWICH, S.E.18; CLAPHAM, S.W.11.

Now in prompt Supply



The  
**Quality Brand**

of Surgical Rubber Goods  
Finest and most reliable!

**SELKA LTD.**

23 DERING ST., BOND ST., LONDON, W.1

Mayfair 2412

Factory: - TRADING ESTATE, SLOUGH, BUCKS

ALWAYS IN DEMAND

*Grip-tight*



*Soothers*

Have you checked  
your stocks lately?

Order now from the manufacturers:

WIS WOOLF LTD BIRMINGHAM 29 ENGLAND

499

**HAND MADE  
HOT-WATER  
BOTTLES**

**YOUR  
FIRST  
CHOICE  
BECAUSE  
THEY  
LAST**



- Hospital Bed Sheeting, Jaconettes and Batistes
- Rubber Airbeds, cushions and Pillows
- Oilsilks for surgical purposes, etc., etc.

**IOCO LIMITED**

ANNIESLAND · GLASGOW · W.3



**TAMPAX 40's**  
*are back again!*

for both  
absorbency  
sizes \*



*Plus-* this new,  
special feature . . .



neat handbag container  
included in every  
**Tampax 40**

The re-introduction of popular Tampax 40's is good news—both for you and for your customers. To you, Tampax 40's mean an all-at-once sale equal to 4 single packets. To your customer they mean welcome economy and convenience. Stock them side by side with the usual packets-of-ten.

*There's a wide range  
of Tampax display  
units for every pur-  
pose. Send details of  
your requirements.*

\* Regular  
**TAMPAX No. 1**  
Super Absorbent  
**TAMPAX No. 2**

**TAMPAX LTD.,**

Sales Office, 110 Jermyn Street, London, S.W.1

# Focus on SPRATT'S



*Always  
in the  
limelight  
of  
powerful  
publicity*

The range that keeps the cash register ringing! Big sales, all-the-year-round demand, and good profits are three of many reasons why it pays to stock and sell SPRATT'S DOG MEDICINES.

Put the new, distinctive red and white cartons where your customers can see them!

The formula is on every package.

**DISPLAY & SELL MORE SPRATT'S**  
—famous for over 80 years!

# SPRATT'S CANINE HEALTH PREPARATIONS

Trade terms, etc., can be obtained from:

**SPRATT'S PATENT LTD.**

41/47, BOW ROAD, LONDON, E.3



## Very Important Pussy

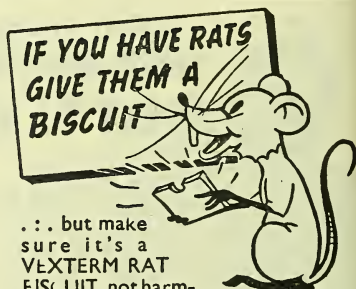
This 'peeping pussy' is one many, featured in the nation-wide publicity that heralds Karswood's latest product—KARSWOOD CAT POWDERS. More and more pet lovers realise that cats need regular conditioning—the five million pet population of Britain can all be Karswood customers—so stock them and make sure of your share now!

# KARSWOOD



# POWDERS

A product of E. Griffiths Hughes Ltd. Manchester



... but make sure it's a VEXTERM RAT BISCUIT, not harmful to pets, human beings or farm-yard stock, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Ironmongers and Stores everywhere. Price 1/6 & 5/9

## VEXTERM

READY-BAITED  
RAT BISCUITS

Agriculture and Fisheries Licence No. 10184

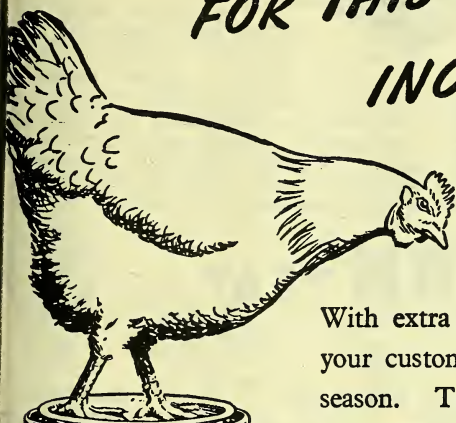
Manufactured by

**BRITISH RODENT EXTERMINATOR CO. LTD**  
PRATTS BOTTOM · FARNBOROUGH · KENT

Phone: FARNBOROUGH 849

# BE READY

## FOR THIS SEASON'S INCREASED EGG PRODUCTION



With extra poultry foods available, more of your customers will be preserving eggs this season. This means more requests for Goodall's Waterglass. Be sure your stocks are sufficient to meet the increased demand. Goodall's Waterglass gives a clear, clean fluid. Packed in attractive all-metal leakproof tins.

*No. 1 size in 4 & 6 doz. cases; No. 2 size in 2 doz. cases*

*Cases are free and non-returnable.*

# Goodall's WATERGLASS

EGG PRESERVATIVE

**GOODALL, BACKHOUSE & CO., LTD.**  
SOVEREIGN STREET, LEEDS

# SOME BABIES *prefer* THE LONGER SHANK



The longer shank of the WELLBORN Teat is the outcome of the policy of studying the needs of the modern mother. It was impossible to improve on the MODERN Teat but all the refinements incorporated in the WELLBORN Teat together with the extra length of shank satisfies all those babies who take better to this type of teat. The wide demand for the WELLBORN has fully justified this policy.

## The WELLBORN TEAT

In a neat hygienic transparent pack and retailing at 6d. It fits all types of bottles and comes in attractive display outers of 12 doz. teats at 46/- per gross (through your regular wholesaler).

*Built to be boiled*



MAY 2-13

OLYMPIA &  
EARLS COURT

A CANNON RUBBER PRODUCT

THE CANNON RUBBER MANUFACTURERS LTD, LONDON N.1

SEE OUR EXHIBIT

A DUFAY PRODUCT

# NOW



Dufay Elack and White Film is launched by an extensive publicity campaign—so be sure of your stock of Dufay Ortho, Pan and Dufaycolor to meet the great public demand.

Link up by giving a prominent display to "Dufay Film" and a quick ready-made sale is assured.

## DUFAY FILM

ORTHO  
PAN  
COLOR

DUFAY-CHROMEX LTD.

14-16 Cockspur Street, London, S.W.1

Telephone: Whitehall 6747



The Biddle Sawyer organisation with its associated companies, offices and agents throughout the world is able to offer unrivalled service to the British pharmaceutical trade and to supply direct from world sources of origin and manufacture, or from extensive stocks in London.

**PHARMACEUTICAL CHEMICALS · ALKALOIDS  
HORMONES · ENDOCRINES · VITAMINS  
CRUDE DRUGS · BOTANICALS · WAXES · GUMS  
ESSENTIAL OILS · TECHNICAL CHEMICALS**

**ASSOCIATED COMPANIES**

*The Biddle Sawyer Corporation, 25 Broad Street, New York, U.S.A.*

*Biddle, Sawyer & Co. (India) Ltd., Frere Road, Bombay, India.*

*Propac Biddle, Avenida Rio Branco 85, Rio de Janeiro, Brazil.*

*Rioplataense Biddle, Paseo Colon 221, Buenos Aires, Argentina.*

*Biddle, Sawyer & Co., P.O. Box 386, Johannesburg, South Africa.*

*Interchemical Inc. Claridenhof, Gotthardstrasse 6, Zurich, Switzerland.*

**also Offices and Agents Throughout the World**

**TOSCAT**  
BRAND  
REGD. TRADE MARK

**BIDDLE, SAWYER & CO. LTD.**

**4 GRAFTON STREET · LONDON · W.1**

Telephone: REGent 0521

Telegrams: "BIDSAWYA, PICCY, LONDON"

Cables: BIDSAWYA, LONDON



**IN MATTERS CONCERNING FEMININE HYGIENE.**

**SHE LOOKS TO**  
*you* **FOR**  
**PROFESSIONAL ADVICE**

The responsibility to give professional advice when called upon has placed pharmacy in a position of high honour and esteem. It is a service especially valued by women particularly in matters exclusively feminine. When it is a question of family limitation it is always wise to suggest Rendells. Three generations in all parts of the world have proved the original full strength formula completely dependable and recent clinical tests confirm there is no safer or better contraceptive.

*Rendells*

**PRODUCTS FOR FEMININE HYGIENE**

for many pharmaceuticals . . .



# MONO *Containers*

Salts, crystals, unguents and creams, and many patent foods—all depend upon freshness for consistent sales.

Mono waxed paper cartons are hygienic, moisture-proof and preserve the contents in perfect condition. Available with tapered or cylindrical sides and screw or disc lids with printed designs that avoid labelling problems. Enquire for details and samples.



# THE POPULAR COUGH SYRUP

Good for  
the young  
and  
good for  
the old



Supplies may be obtained



from C.F Wholesale Houses

## ZEMS LTD

718-724 Seven Sisters Road, London, N.15

Telephone: STAMFORD HILL 4688-9

## News from DALMAS of Leicester

# ew waterproof protection for cuts

## A NEW-TYPE ADHESIVE STRAPPING

**Waterproof . . . has 101  
First-Aid uses**

DALMAS STRAPPING, a new *waterproof* adhesive with 101 first-aid and other uses, is now in widespread demand everywhere. Because of this, supplies have been greatly increased.

Dalmas Strapping can be cut to any size, gives 100% protection against water, dirt, grease and acid. That's why it's specially suitable for cuts, sore places, torn finger nails, etc. In particular, it is ideal wherever the fixing of bandage would be awkward. Dalmas Strapping stretches *all* ways, so edges stick tight allowing free movement of joints and muscles. Attractive counter sell-outs contain twelve 1/- spools, each 1 inch by 1 yard, price 16/-. Also available in 2 inch and 3 inch widths.

**DALMAS HEEL DRESSINGS.** A new *waterproof* dressing that is specially designed for sore and blistered heels. Handy boxes, price 1/- retail.

**DALMAS FINGER - TIP DRESSINGS.** A new *waterproof* adhesive protection for cracked, cut or sore finger-tips. Handy boxes, 8/- per dozen, to retail at 1/- each.

**DALMAS BOIL PLASTERS.** A new *waterproof* protective dressing for boils. Skin-coloured, hardly shows. Handy boxes, price 1/- retail.

## Heavy demand for Dalmas First-Aid Dressings

TO meet the nation-wide demand, we have further increased supplies of Dalmas, the *waterproof* plastic dressing that offers a totally new method of protecting cuts and minor wounds.

Dalmas gives 100% protection against water, dirt, grease and acid. So you need only cover the affected place and . . . no further trouble! You can actually *wash with it on*.

Dalmas stretches *all* ways (not just one way). That's why edges stick tight, cannot fray, cannot catch in clothes. What's more, Dalmas lessens infection risk, promotes safe and easy healing.



*Display this box on your counter*

Dalmas is skin-coloured, hardly shows. Supplied in attractive blue - and - white counter sell-outs, containing one dozen 1/- boxes, price 8/-. Special quantity discounts. **PLACE YOUR ORDER NOW!**

### A. de St. Dalmas & Co. Ltd.

LEICESTER (Phone: Leicester 65261)

London Depot: 140-142 St. John St., E.C.1  
(Clerkenwell 3399)

Leeds Depot: 14 Neville Street  
(Leeds 29764)

Scottish Agents:

Robert Telford, 29 Waterloo St., Glasgow. C.2  
(Central 2716)

**X** Have you placed  
your order for

**SNAP**  
(PAT.)  
Vacuum  
**CLOSURES**  
TRADE MARK

More housewives than ever  
will be asking for them.  
Our great National Advertising  
will be read by millions.  
**SEND YOUR ORDER NOW  
OR WRITE FOR TRADE PRICES**

2/6d. a packet, 1-lb. or 2-lb. size } SUBJECT  
6d. a packet RUBBER RINGS }

"MAJOR" size for 1lb. or 2 lb.  
6/- & 6/6d respectively SUBJECT

**GRAHAM FARISH LTD. BROMLEY · KENT, BRISTOL & MANCHESTER.**

**Now available**

# NEW, IMPROVED ARRID

over 8d. profit  
for you on every  
jar you sell!  
Retail price 2/5  
including  
purchase tax

—the cream deodorant  
which also stops perspiration

**W**OMEN are clamouring in the shops for Arrid—the world's biggest-selling cream deodorant which also stops perspiration. Advertising is being increased, and with a strong national campaign running, the demand will be something terrific!

Arrid sells on sight, and you make over 8d on every jar. Easy, quick profits, and satisfied customers who'll come in for other goods! You'll be well advised to stock up without delay.

## ORDER ARRID NOW!

Details of special terms for ARRID, Carter's Little Liver Pills, and other products from **THOMAS MARNS LTD., 2 CAXTON STREET, LONDON, S.W.1**

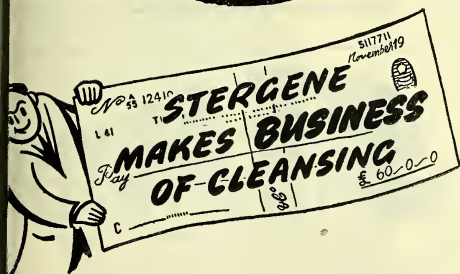
# Ten to One



TEN BOTTLES  
OF STERGENE  
BOUGHT NOW  
WHERE ONLY ONE  
WAS SOLD A  
YEAR AGO



The progress of Stergene has been swift. Where it has been introduced it has become soundly established. Stergene is now a habit in most homes where it has once been tried. That is because Stergene is a good product. It will do all those cleansing jobs which are claimed for it and do them well — and it is advertised without frivolous or exaggerated statements. Thus housewives are persuaded to place confidence in Stergene — a trust which is not misplaced. And so—Stergene makes *business*—*good business*—of cleansing.



**Stergene**  
SCIENCE IN CLEANSING

DOMESTOS LTD., COLLEGE WORKS, NEWCASTLE UPON TYNE, 6.

**SECTO****EXTRA POWER.****D.D.T.**

The Sen

British

Insectic

**A BEST SELLER FOR 42 YEARS****EXTRA POWER** brings in **EXTRA SALES** with **EXTRA PROFIT**

Our 1949 plan includes a strong advertising campaign that will make **SECTO** the quickest and most profitable seller. **SECTO** products (except one) are **FREE FROM PURCHASE TAX**. Send for details of **UNRIVALLED** bonus and discount terms.

CUPAL LIMITED · MANUFACTURING CHEMISTS · BLACKBURN

**BRITISH  
MADE****AMPOULE FILES**

are now available

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

**DOMINION STEEL CORPORATION  
LTD.**

**"FLEET" WORKS**  
**QUEEN'S ROAD, SHEFFIELD, 2**

**PACKING FACILITIES  
IN IRELAND**

Excellent facilities are offered in Dublin for machine and hand packing by modern factory with full facilities for distribution. Pharmaceutical and High-Class Food Products would be especially suitable. Write:

Box 5/804

**FOR  
PHARMACY  
& DISPENSARY  
FITTINGS  
CONTACT**

**SIMYERS**

THE PHARMACY FITTINGS SPECIALIST

105 GREAT EASTERN STREET, E.C.

CLERKENWELL 5886

# PROMOL

## JUNIOR MOTH RINGS

### ATTAIN DEADLY D.D.T.

PROMOL MOTH RINGS JUNIOR  
are now doubly efficient by  
impounding Naphthalene with  
Dichlorobenzene and D.D.T.  
The first two, powerful moth re-  
pellents, evaporate gradually,  
driving the deadly D.D.T. as fine  
powder which *kills insects by*  
*contact*, thus giving an extra  
protection. Tell your customers  
this for **SURE SALES.**

as efficient as before—twice  
as saleable. 8 rings for 4d.

attractive red, white and blue  
play carton. Enquiries invited.

**Send Your  
Enquiries  
NOW!**



PROMOL PRODUCTS LTD., 21/22 Turle Road, London, N-4

**40,000,000 CARTONS  
A YEAR FOR EXPORT**

The credit for capturing overseas' markets is our customers'. We congratulate them and wish them still further success. Insofar as competitively-priced and attractively-designed packs are a factor in securing orders, Boxfoldia cartons will continue to contribute to the export drive.

**BOXFOLDIA LTD.**  
CARTON MANUFACTURERS  
BOURNBROOK, BIRMINGHAM

**FOR  
ALL TYPES OF  
PHOTOGRAPHIC  
WORK**

Developing and Printing Service to Photographic Dealers and Chemists, including Commercial and Industrial Photography, write for particulars to our Oxford Works Manager and arrange a first class service for this Season.

**WILL R. ROSE LTD.**  
20, ST. EBBES STREET  
**OXFORD**



## To increase your sales!

Here is a real opportunity! Advertising for SevenSeaS this season will be stronger than ever. And there is a really fine show-card for you (17" x 11"). Window display material, too—free of charge. Your displays have done much to increase sales in the past; and now, at last, we can help you to make your windows really striking. Don't delay. Write to-day for your showcard—for display material, too (*stating width and height of display space*).

IT WILL BRING CUSTOMERS INTO YOUR SHOP

# SEVEN SEAS

PURE COD LIVER OIL

British Cod Liver Oils (Hull & Grimsby) Ltd.,  
St. Andrew's Dock, Hull

Two Main Lines  
for EXPRESS SALE

★ **JON COE**  
**PASTILLE**  
★ **B.L.A. GUM**

free of Points

IN **5 lb** TINS

Send for Samples and Price List

**JOHN CHARLES LTD**

86 Bridge Street  
PETERBOROUGH

# DAVIS

FOR SOFT DRINKS!

**KIK**  
**ORANGE C**  
**DAVIS**

**LEMON SQU**  
**LEMON BARLEY WAT**  
**GRAPE FRUIT SQU**

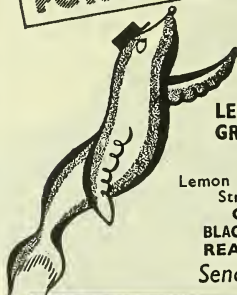
**SYRUPS**

Lemon • Orange • Raspbe  
Strawberry & Vanilla

**GINGER WINE**

**BLACK CURRANT CORDIAL**  
**REAL RAISIN WINE**

Send for Price List



PRODUCTS OF THE HOUSE  
OF DAVIS



Est. 1864



Distributors  
**RICHARD DAVIS, LTD**  
49 Old Bond St.  
London, W.

R.D.470

# MENTHOL TURIOPIN OIL

## INHALATION THERAPY

### 3 MAIN INDICATIONS FOR ITS USE

<b>BRONCHITIS</b>	Alleviates irritating coughs and by liquifying phlegm facilitates and lessens expectoration.
<b>CONGESTIVE CATARRHS</b>	Relieves catarrhs at the seat of the trouble; contracts the capillary blood-vessels checking discharge.
<b>DAY FEVER</b>	Rapid relief is obtained, sneezing arrested and pain and fullness of the head quickly reduced.

NOTE: MENTHOL TURIOPIN OIL furnishes an excellent supplementary treatment to the RIDDOBRON Therapy for Asthma and Allied complaints.

**RIDDELL PRODUCTS LIMITED**  
 AXTELL HOUSE · WARWICK STREET · LONDON · W.1  
 Telephone: GERrard 3754

# *Pharmaceutical Glands for Medical Derivatives*

*By*  
**GLAND SUPPLIES LTD.**  
 3-7, Medlock St.  
 Liverpool Road.  
**MANCHESTER. 3**

Tel. No.  
 DEAnsgate. 5428-9



## THE 'LASTONET' ELASTIC BANDAGE

The perfect elastic net bandage for weak joints, sprains, etc., giving a firm support and being cool, compact, light and inconspicuous. Hygienic and easily washable. Available in  $2\frac{1}{2}$ ", 3",  $3\frac{1}{2}$ " and 4" widths, in  $\frac{1}{2}$  doz. and 1 doz. cartons.

IT PAYS  
TO KNOW ABOUT

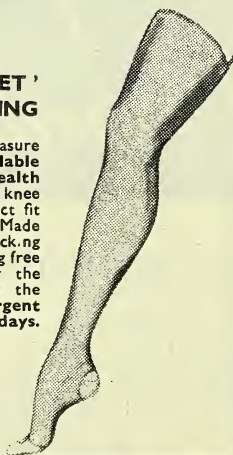
# Lastonet

PRODUCTS

## THE 'LASTONET' ELASTIC STOCKING

This ideal made-to-measure surgical stocking is available under the National Health Scheme. In thigh or knee lengths, ensuring perfect fit with complete comfort. Made entirely of net, the stocking is cool to wear, allowing free circulation of air over the skin. Invisible under the normal stocking. Urgent cases supplied in 3-5 days.

Full details and particulars of Medical opinion from:—



**LASTONET PRODUCTS LTD · CARN BREA · REDRUTH · CORNWALL**

## DIUROMIL

(5/7½d. including tax)

a palatable effervescent granule preparation for the treatment of rheumatic complaints and urinary tract infections

**P.A.T.A.**

## RALGEX

(4/4½d. including tax)

analgesic and rubefacient, a solid embrocation giving rapid relief in painful rheumatic muscular and neuralgic conditions

The demand for these preparations is created by MEDICAL RECOMMENDATION. YOUNG & CO. can recommend them with confidence

Stocked by all leading wholesalers

**PHARMAX LIMITED**  
THE ORGAN WORKS

OLD HILL CHISLEHURST

KEN

## CELLOPHANE DRINKING TUBES

(1000 Per Box)

@ 6/- Box

## WOODEN ICE CREAM SPOONS

(Cellophane Bags)

@ 4/- Doz. Bags

## CHERRY PICKS

@ 20/- Thousand

Wholesale Enquiries Invited

**A. E. JAY LTD**

68 STOKE NEWINGTON HIGH ST.,  
LONDON, N.16

Phone: CANONBURY 3067-68-69

# DISPLAYS bring *ALL your* **'ASPRO' PUBLIC IN!**

It is only by continuous display that you will discover just how large 'ASPRO' demand is to-day. For the 'ASPRO' public grows ever greater. 'ASPRO' is proof against any "ups and downs" in the market—changes in purchasing power, fashions or habits. The success of 'ASPRO' is reaching unique proportions simply because it is a good product which more than fulfils its claims, and which is well, widely and persistently advertised.

## **'ASPRO' 5's NOW PACKED IN 6 DOZ. SHOWBOXES AGAIN**

The easing of the supply position now enables us to revert to the pre-war 5's showbox of 6 dozen. At the same time we are reintroducing the pre-war minimum bonus quantities of 6 dozen 5's or 3 dozen 27's. Otherwise bonus terms remain unchanged as follows—

- 6 doz. 5's qualify for a  
bonus of 6 packets of 5's.
- 3 doz. 27's qualify for a  
bonus of 6 packets of 27's  
provided that 14 days' window display is given.

Bonus quantities are *pro rata* for larger orders. All bonus is entirely free of cost to you. The 6 packets of 5's retail at 2/- and the 6 packets of 27's at 8/6, so—

**YOU GAIN OVER 32% EXTRA PROFIT WHEN YOU BUY  
THE TWO SIZES ON FULL WINDOW DISPLAY TERMS**

Made in England by  
**ASPRO LIMITED, TRADING ESTATE**  
Slough, Bucks

**'ASPRO'**  
REGISTERED TRADE MARK

**ATA**

**IDEAL HOME EXHIBITION**

• MARCH 1st—26th, 1949 •

**STAND 135**

(Childrens' section)

is devoted wholly to a display of

**'Pabyrn' Rose Hip Syrup**

*The co-operation of all Chemists is invited*

**Paines & Byrne Ltd., Greenford, Middlesex**

Telephones : Perivale 1143 (5 lines)

**HORMONE, VITAMIN, LIVER AND ENDOCRINE PRODUCT**

**SPECIAL OFFER**

FOR LIMITED PERIOD ONLY — MEANS

**BIG EXTRA PROFIT**

Here's a really worth-while offer—an extra 5% discount on all orders for Radian B of £5 or more (excluding Purchase Tax)—5% over and above the usual generous terms! What's more, retailers displaying this fast-selling liniment for 14 days will get a further 5%! This offer is to be limited to February and March only. So order early and

**RADIAN B** be sure of your additional profit.

A PRODUCT OF

**THE RADIOL COMPANY**

78, UPPER RICHMOND RD, LONDON, S.W.15

**RADIAN B**

**A SURE SELLER**

**ON SIX COUNTS**

- Brings pain-easing ASPIRIN direct to bruise or sprain.
- Swiftly relieves rheumatic aches and pains.
- Non-oily.
- Non-staining.
- Makes an effective inhalant.
- Immediately alleviates insect bites.

Write for details of generous trade terms. Send also for "sell-on-sight" display material.

Professional sample and literature on request.

Midland Area Distributor: John Knox (Stoke-on-Trent) Ltd.

Other areas, FOR THIS SPECIAL OFFER ONLY, apply direct to Manufacturers.

# THE MOST SENSATIONAL SELLING ARGUMENT IN HISTORY!

## *A Dentifrice that stops Decay*

**A** MERICAN chemists are being overwhelmed with demand for a completely revolutionary Dental Discovery—a tooth powder which not only prevents decay but even arrests its progress when already existing. Newspapers and magazines all over that vast country are full of stories of its amazing results, proved under the most stringent, scientific tests.

Dr. Wallace, secretary of the American Council on Dental Therapeutics, Dr. Henschel with his associates, Drs. Lieber, Kopely and Gudwin of New York, Drs. Kesel, O'Donnell, Kirch and Wach of the State of Illinois, the Groves of Minnesota, and Dr. Robert M. Stephan of the U.S. Public Health Service are among the authorities responsible for discovering the way to incorporate dibasic ammonium phosphate with synthetic urea in a tooth powder, suitable for general use, yet in such strength that its regular use definitely destroys the *Lactobacillus acidophilus*, the commonest of all causes of dental decay.

This powder is now being made in Great Britain under the name of AMM-I-DENT and limited supplies are already available for chemists anxious to be in the fore-front with such a development.

Ask your wholesaler for a small supply to-day. In case of any difficulty, write to the Distributors:

Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

# AMM-I-DENT

*The Ammonium Ion Tooth Powder*

ACTUALLY PREVENTS TOOTH DECAY

Retail 2/6 incl. Tax. Usual Trade Discounts

MADE AND GUARANTEED BY THE

VERNET DENTAL MANUFACTURING CO., WELWYN GARDEN CITY, HERTS.

**Send NOW for this  
EXCEPTIONALLY  
ATTRACTIVE SHOWCARD**

*Sole Distributors*

**EMMET DISTRIBUTING COMPANY LTD**  
140 PARK LANE, LONDON, W.1. Tel. Mayfair 675



36 tablets 27/- per dozen plus 9/- tax  
12 tablets 11/3 per dozen plus 3/9 tax

**Retail Prices**  
3/9 and 1/7



**VELOCIMUM**  
THE SPEEDY TREATMENT

**STILL  
THE BEST  
FOR  
COLDS & CATARRH**

EM.17

### GLYCERYL MONOSTEARATE

*Guaranteed Food and Drugs Quality*

### REGULAR SUPPLIES AVAILABLE

*Samples and quotations upon request*

**The Faylene Manufacturing Company**  
15 Queens Court, Lower Briggate, Leeds 1  
Telephone 22594

**ORDER YOUR SHARE TODAY**

**MARSH'S**

**BRONCHIAL  
TABLETS**

PACKED IN ATTRACTIVE DISPLAY CARTONS  
also available:

**MARSH'S DIGESTIVE MINTS**

**MARSH BROOKS LTD.**  
170, BRIDGEMAN ST., BOLTON

# "NORVEX" SANITARY TOWELS

(REGD.)

ALL WOOL, WITH LOOPS—SIZES 0 to 4

**A SUPER TOWEL**

SOLD BY CHEMISTS ONLY.

**CROSSKILLS OF NORWICH**

Phone:  
20954



## The NEW "ONE-BY-ONE" HANDY PACK



*This new hygienic easy-to-use pack containing 20 Tablets has been specially designed, so that no longer will there be the risk of tablets falling out in pocket or handbag. Slide it open with one finger, shake, and out come 'ANADIN' — one-by-one; two 'ANADIN' tablets for the relief of pain.*

**THE PROFESSIONALLY RECOMMENDED ANALGESIC.** 'Anadin' will be moving off your shelves more quickly than ever. We are detailing the Dental and Nursing Professions intensively and the response is inspiring. Now in the Daily Press, Sunday Press and widely read Magazines — particularly those appealing to women — we are supporting this professional appeal with effective public advertising.

**POINT OF SALES DISPLAY.** In spite of the exceptionally mild winter the sales of 'Anadin' have been steadily growing. Treacherous weather in March and April will bring an increase in colds and 'flu and the call for 'Anadin' will be even greater. To help you, we are now packing all 'Anadin' 20's in attractive Counter Display Units. 'Anadin' is safe to stock, sell and recommend. See that you have ample requirements to meet this increasing demand. Attractive show-cards are also available on request.

'ANADIN' tablets can be included with other I.C.C. lines to qualify for extra Co-operation Discounts of 12½% on orders of £10 and over; 10% on orders of £5 and over.



**INTERNATIONAL CHEMICAL COMPANY LTD., CHENIES STREET, LONDON, W.C.1**

**REGULAR DELIVERIES**  
in ALL areas**PROPRIETARY GOODS**

Pharmaceutical Preparations

**TOILET REQUISITES**

Dressings and Cotton Wools

**DRUGS AND SUNDRIES**

We give an efficient wholesale service,  
and you can rely on courteous  
and careful attention to  
your particular needs.

**SIDNICK & CO. LTD.**

11-12, FINSBURY SQUARE, LONDON EC2.

Telephone: MONARCH 5642/3

**Sphagnol**The "NATURAL"  
**SHAMPOO**

WITH A 40 YEARS' REPUTATION

**6<sup>p</sup> INC. TAX**

2/6 dozen. Tax 10d. dozen

13 to dozen on orders  
of 2 dozen or more

Midland Distributors:—

**JOHN KNOX (Stoke-on-Trent) Ltd**  
KING STREET, FENTON, Stoke-on-Trent

Sole Manufacturers:—

**PEAT PRODUCTS (SPHAGNOL) LTD**  
3 CARMALT GARDENS, LONDON, S.W.1**WYLIE'S**

Abrasive

**HAND SOAP***It's quick—  
It's good!***INVALUABLE IN THESE DAYS  
OF SOAP SHORTAGE**

This is the scarlet and pink tin that catches the customer's eye—outstanding on your shelf, compelling in its attractiveness: WYLIE'S Abrasive HAND SOAP is kind to sensitive skins, it cleans and protects hands, making them soft and supple while gently removing grime. No grit, acid or caustic. A quality line worthy of warm recommendation.

Write for particulars and terms to the  
SOLE DISTRIBUTORS

**NORMAN PELL (SALES) LTD.**

30/31 SHOREDITCH HIGH STREET, LONDON, E.1

**NO  
COUPONS****1/3****IN THE PINK  
AND RED TIN**

# BIGGEST NEWS SINCE NAIL LACQUER WAS INVENTED THE **SURE-STROKE** BRUSH

IT'S NEW! . . . IT'S WANTED . . .  
IT'S A "NATURAL"! . . . IT'S AN "ON SIGHT"  
SELLER! THERE'S NOTHING ELSE LIKE IT!

It's what every woman has always wanted . . .  
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first glance will sell it wherever it is displayed.  
It's another TATTOO sure seller!

**AND A NEW,  
HARDER, NAIL LACQUER**

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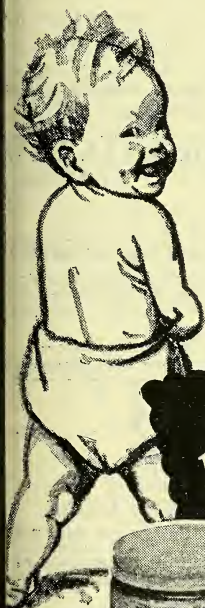
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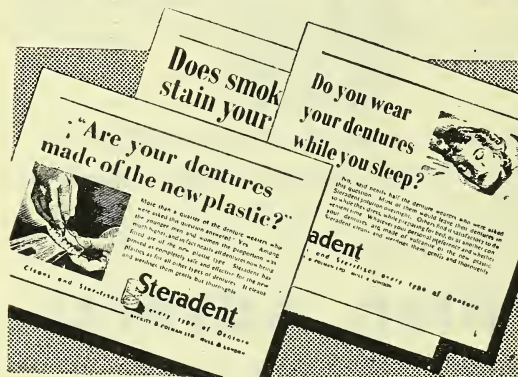
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**ORIGINAL LANETTE WAX SX**  
based on Sodium Cetyl/Lauryl Sulphate

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based on Sodium Cetyl Sulphate

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The next Examination for the Fellowship Honours Diplomas will be held at Edinburgh on 10th, 11th, 12th and 13th May, 1949. The last day of entry is Monday, 11th April.

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*The Symbol of  
PERFECT Skin Health*

A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

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In the Dark Ages, people brushed their hair with brushes of twigs. To-day, there is the nylon-tufted brush, scientifically designed for this purpose. Nylon is the perfect material for all personal brushes. It is durable, more hygienic than anything available hitherto, and is made in many degrees of stiffness.

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**Nylon FOR HAIRBRUSHES, TOOTHBRUSHES, NAILBRUSHES**

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FREE OFFER

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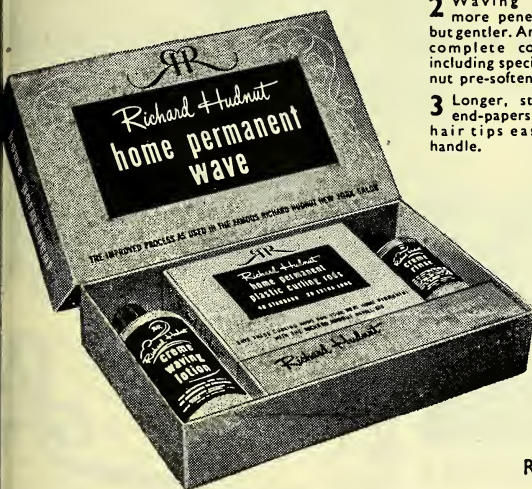
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# the new, improved Richard Hudnut home permanent wave

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- 1 Saves up to one-half usual waving time.
- 2 Waving lotion more penetrating, but gentler. Ample for complete coverage, including special Hudnut pre-softening.
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- 4 Double-strength neutralizer secures waves faster, makes curl stronger for longer.
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- 6 Only home permanent kit to include Richard Hudnut Creme Rinse—famous for its lustre-giving properties.
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REFILL KIT

# the only home wave sponsored by a world-famous cosmetic house



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—in a new eye-catching  
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Brighten your counter, and your balance sheet, with one of Virginia's most successful and popular preparations. Virginia's Hollywood Eyelash Grower actually encourages healthy and luxuriant growth, producing longer, darker more lustrous lashes. The attractive counter carton carries two dozen dainty handbag-size containers at the rapid-selling price of 2/6 each, and the new  $\frac{1}{4}$  oz. dressing-table size is also available selling at 5/- (including Purchase Tax)..



Send for details and prices  
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Cream, Skin Tonic, Complexi-  
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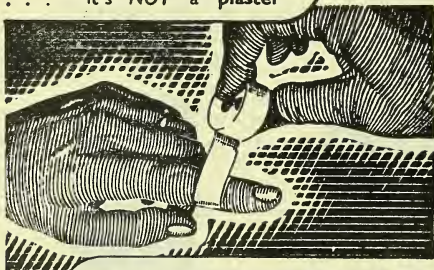
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THE ANTISEPTIC SELF-ADHESIVE BANDAGE  
STICKS TO ITSELF—BUT NOT TO THE SKIN

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IN LADIES' HYGIENE

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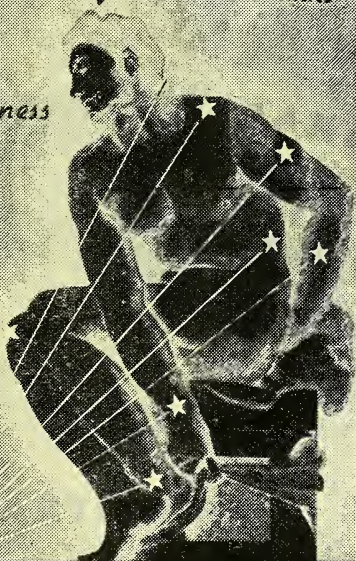
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S.E.R. BRIERLEY LTD. BLACKBURN

*For relief of muscular strains  
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**'MENTHOFAX'**

COMPOUND METHYL SALICYLATE OINTMENT

A BURROUGHS WELLCOME & CO. PRODUCT

an

**Outstanding  
Showcard**

for an

**Outstanding  
Product**



At this time of the year a great many of your customers need 'Menthofax' to ease rheumatic pain. A prominent display of this product, featuring the striking new showcard, will bring profitable business to your pharmacy. 'Menthofax' contains 10 per cent of menthol and 50 per cent of methyl salicylate. It is packed in attractive display outers each holding one dozen jars. Retail price: 2/3 plus 7d. tax.

**'Menthofax'**

COMPOUND METHYL SALICYLATE OINTMENT



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

Now in TWO  
strengths—

**LYNORAL'**  
ETHINYL OESTRADIOL

*The most remarkable  
oestrogen known—*

**FOR ORAL ADMINISTRATION**

**DERIVED FROM THE NATURAL OESTROGEN**

**EXTREME POTENCY MEANS MINUTE DOSAGE**

**WITHOUT SIDE EFFECTS**

**AT LOW TREATMENT COST**

*For all conditions where oral Oestrogen therapy is indicated*

Tablets of 0.01 mg. and 0.05 mg. (scored)

Tubes of 25. Bottles of 100 and 500.

Stocks are immediately available from all wholesalers or direct



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The



# CHEMIST AND DRUGGIST

for RETAILER—WHOLESALE—MANUFACTURER

MARCH 5, 1949

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

Single copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

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## NEWS OF THE WEEK

**Freedom to Sell Soap.**—The Ministry of Food announces that from March 27 is willing to grant, on application, facilities to sell soap to chemists (and other specified traders) who do not at present enjoy such facilities.

**Dental Working Party.**—A working party has been appointed by the Ministry of Health to ascertain the average chair-time taken by general dental practitioners in the National Health Service and private practice, to complete various types of dental treatment.

**Export Targets.**—The revised target for proprietary medicines exports for the end of 1949 is a monthly average of £0.55 million, and for other drugs and medicines a monthly average of £1.20 millions. Corresponding 1948 targets were £0.77 million and £1.45 millions respectively.

**"Guide to New Medicaments."** — So many subscribers have asked to be added to our mailing list for reprints of the feature "Guide to New Medicaments" (see *J. & D.*, February 26, p. 275) that some delay in dispatch is unavoidable. All

requests for the reprints will, however, be met as soon as possible.

**Imperial Preference.** — The Commissioners of Customs and Excise have issued a notice (No. 27A) setting out the prescribed manner for claiming Imperial Preference on goods imported into the United Kingdom, together with specimen certificates of origin to be completed by growers, manufacturers and exporters.

**Rationing Orders Consolidated.** — All previous orders affecting the rationing of clothing, etc., are consolidated in the Consumer Rationing (Consolidation) Order, 1949 (S.I., 1949, No. 196, H.M. Stationery Office, price elevenpence). The Order includes a schedule of excepted goods, among them many surgical garments and accessories.

**Carcinogenicity of Mineral Oils.**—The Medical Research Council has appointed an eight-member committee to advise on and assist in research upon the carcinogenic activity of mineral oils. The Ministries of Fuel and Power, Health, and Labour and National Service have nominated

representatives to attend when matters of interest to those Ministries are likely to arise.

**Hospital Costs to be Cut.**—Regional Hospital Boards and most Boards of Governors have been told by the Minister of Health that their financial estimates for 1949-50 exceed what it is possible to provide and have been asked to make arrangements for a reduction of £9½ millions from the total sum available for hospital maintenance. Expenditure affecting the welfare of the patients is to have priority over any other form.

**Analgesia-in-Childbirth Bill.**—The text has been published of a Bill "to make provision with respect to the administration of analgesia to women in childbirth; and for purposes connected therewith." The Bill stands in the name of Mr. Peter Thorneycroft, and Sir Wavell Wakefield is among the supporters. It would charge the Central Midwives Board to secure instruction to midwives in administering analgesics, and lay upon local authorities and hospitals the duty to provide apparatus.

**T.S.A. Penicillin Licences.**—Licences under the Therapeutic Substances Act, 1925, for dispensing penicillin injections have been granted as follows:—

HALIFAX: Mr. H. R. Stocks, Ph.C., 32 Crown Street.

KINGS LYNN: Allen & Neale (Chemists), Ltd., 55 High Street.

LIVERPOOL: G. A. Moffat & Son, 160 Derby Lane, 3.

NORWICH: Smith & Sons (Norwich), Ltd., 44 Magdalen Street.

ST. ALBANS: Mr. D. S. Evans, 4 Beech Road.

**Women Pharmacists' Dance.**—The annual dance of the National Association of Women Pharmacists was held in London on February 16. There was a good attendance, despite the counter attraction of an evening meeting of the Pharmaceutical Society nearby. Miss D. Jones (president) was, moreover, able to arrange for an extension of time till 11.30 p.m. for the benefit of guests who came along to the dance after the meeting. Prizes were won by Mr. E. F. Somers, who received a box of chocolates, and by Miss Folkard, who won an iced cake. Proceeds were in aid of Birdsgrove House.

**Insurance Cards.**—The Ministry of National Insurance has issued a reminder that green National Insurance cards expire on March 6 and are due to be exchanged

for new cards before March 13 (for change procedure see *C. & D.*, Jan. 22, p. 98). In the orange cards which will be issued to replace them, the stamps must be put on p. 3. [Insured persons have been divided into roughly equal groups, each with card of a different colour. Each group of cards becomes due for exchange at a different date, but for the convenience of employers the position of the stamp space for each particular week is the same in cards of all groups.]

**Industrial Research Conference.**—Federation of British Industries industrial research committee has organised a conference of directors of industrial research—the first ever to take place in this country—to be held at Ashorne Hill, Leamington Spa, Warwick, from March 11 to 13 under the chairmanship of Sir Walter Akers, C.B.E. The conference will discuss, among other subjects, the relationship between research departments and management and other departments of industrial organisations; finance and costing, laboratory administration and scientific staff, the formulation of research programmes, the application of the results of research to production; publications, publicity, information, etc.; and relationship with research associations, Government departments, and universities.

**Nativelle Memorial.**—At a ceremony in Paris recently, Professor R. Fabre received on behalf of the *Faculté de Pharmacie de Paris* (of which he is *Doyen*) a bronze medallion struck in commemoration of C. A. Nativelle (1812-89), the discoverer of crystalline digitaline. Representatives of the pharmaceutical, medical and other professions had subscribed towards the medallion. In an address at the ceremony Professor Fabre referred to the character of Nativelle, a man who, orphaned early by the deaths of his father and mother from heart failure, and thus deprived of parental affection, may for that reason have intensified the investigations to which he devoted the whole of his life. A modest pharmacist in Paris, he was a worker of unusual tenacity, and, despite poor resources, was able in 1868 to isolate the active principle called "crystallised digitaline." In a report presented to the *Académie de Médecine* he described in detail the method of isolation to which his name became attached, and as a reward the Academy presented to him the *Fabre Orgila*.

## LOCAL NEWS

**Derby Chemists' Beauty Service.**—Parts, The Chemists (Derby), Ltd., 38 Corn Market, Derby, are offering their customers a free service of advice on make-up and beauty problems.

**Sheffield Women Pharmacists.**—The following officers of the Sheffield Branch of the National Association of Women Pharmacists have been elected for 1949:—*Chairman*, Mrs. A. Wright; *Vice-chairman*, Miss M. E. Bolsover; *Treasurer*, Mrs. J. C. Toone; *Secretary*, Miss K. M. Radcliffe, 10 Endcliffe Crescent, Sheffield, 10.

**Brecknock N.H.S. Expenditure.**—At a recent meeting of the Brecknock Executive Council it was stated that expenditure amounting to £37,424 for the October-December period of 1948 had been authorised. Payments included £6,052 for chemists for 60,052 prescriptions (an average cost per prescription of 2s.), and for payments, £137.

**Southend Dinner.**—Guests at the first post-war dinner and dance of the Southend Branch of the Pharmaceutical Society on February 23 were received by the Chairman (Mr. E. B. Bunting) and Mrs. Bunting, Mr. H. Clement Shaw (president of the Society) and Mrs. Shaw, the Mayor of Southend (Alderman S. F. Johnson, J.P.) and the mayoress, and Mr. Henry Hannon (M.P. for Southend).

**Walsall Therapeutics Lecture.**—Addressing the Walsall Branch of the Pharmaceutical Society on February 15, Mr. J. E. Dale (Boots, Ltd.), described how F.P., BAL and nitrogen mustard, all developed originally for war purposes, had been found to have valuable clinical applications. He also referred to the isolation of vitamin B<sub>12</sub> from liver and to recent work on the applications of penicillin.

**Sales Conference at Barnsley.**—At a conference held by William Freeman & Co., Ltd., at Barnsley, January 26-30, Mr. W. S. Freeman (managing director) described a five-year plan of development. Mr. S. W. Fuller (general sales manager) referred to a scheme for the formation of four separate divisions of the company, domestic, industrial, medical and rubber flooring.

**Co-op Shops on New Estates.**—A decision made by Wolverhampton Town Council in 1947 to grant six shops on two new housing estates to the local co-operative Society was reversed recently when a

resolution that the society should be allowed not more than one shop on each estate was carried by 30 votes to 28. Councillors who were also members of the co-operative society had been granted a dispensation by the Minister of Health and were allowed to vote (see *C. & D.*, January 15, p. 67).

**Chiropodists on Pharmaceutical List.**—Following a direction from the Ministry of Health, Southport Executive Council, meeting on February 22, decided to include chiropodists in its pharmaceutical list. The chiropodists, whose original application for inclusion had been refused, appealed to the Ministry of Health, and the Ministry ruled that, if the applicants were entitled by law to sell appliances listed in the regulations, they were entitled to be included in the pharmaceutical list. Mr. H. Orr said the Ministry's interpretation reacted unfairly on chemists.

**Pharmacies Wanted.**—Residents of Iver Heath, Iver, Bucks, have complained to their Member of Parliament that there is no local pharmacy to meet the needs of National Health Service patients. At a recent meeting of Warwickshire Executive Council, it was stated that patients in Marton were suffering hardship because a local doctor was unwilling to undertake dispensing, and that they were having to travel twenty-two miles to Leamington to obtain medicines. When the clerk of the Council said it would not pay a chemist to open a dispensary, a member suggested that the Ministry of Health might be willing to grant a subsidy.

**Birkenhead and Wirral Dinner.**—The 200 guests at a dinner and dance held by the Birkenhead and Wirral Pharmacists' Association at Thornton Manor on February 17, included the president of the Pharmaceutical Society (Mr. H. Clement Shaw) with Mrs. Shaw, and Miss M. C. Jones (warden of Birdsgrove House). Mr. R. Pilkington (Association president), proposing "Pharmaceutical Charities," outlined a scheme prepared by the Association to raise money to provide equipment for the Society's convalescent home. Miss Jones thanked members for their support and described her work at Birdsgrove House. Mr. W. J. Tristram (a member of the Society's Council) also thanked Birkenhead and Wirral pharmacists for their support of pharmaceutical charities. Mr. J. W. Waterworth (secretary) estimates that from the proceeds of the evening more than £90 will be donated to the fund.

**Liverpool Centenary Lecture.** — The second in a series of three centenary lectures of the Liverpool Chemists' Association was given on February 24 by Dr. F. A. Barrie, M.R.C.S., L.R.C.P., M.P.S. (an ex-student of the Liverpool School of Pharmacy) who spoke on advances in medicine and pharmacy over the past 100 years. The talk was described by Mr. H. Humphreys Jones (who presided) as "a wonderful panorama of progress." Mr. J. L. Hirst recalled the Association's early interest in anaesthesia. At a demonstration of the efficacy of nitrous oxide, John Abrahams had presided and Edward Davies (the secretary) who had insisted on inhaling some of the gas, lost consciousness. Mr. W. J. Tristram said there were some diseases at which medicine and pharmacy appeared to be looking on helplessly. There had been a great increase in nervous disorders and a greater number of people were taking phenobarbitone. Had new diseases taken the place of former ones? Dr. Barry replied that no sooner was one disease vanquished than another "ugly monster" raised its head.

## SCOTTISH NEWS

**Glasgow N.H.S. Dispensing.** — It was stated at a meeting of Glasgow Executive Council on February 24 that, during January, 323,604 prescriptions had been dispensed in Glasgow. On-account payments amounted to £51,405. One company had received £6,449 and one individual chemist had received £1,039.

**Renfrewshire N.H.S. Payments.** — Payments for National Health Service dispensing made to chemists by Renfrewshire Executive Council from July 5 to December 31, 1948, amounted to £52,822. Payments for dental services (to November 30, 1948) amounted to £71,834, and for ophthalmic services (to December 16) to £46,824.

**Edinburgh Prescribing Difficulties.** — At a meeting of the Edinburgh Executive Council on February 24. Dr. A. F. Wilkie Millar (chairman) said some doctors were obviously under a misapprehension as to what they could prescribe; the Council, with the help of the local Medical Committee, should issue guidance to those who were new to insurance work. A memorandum was eventually to be published by the Department of Health, but more immediate action was required. Mr. J.G.P. Stevenson (secretary) read a letter from the Medical Committee drawing at-

tention to the large number of prescriptions being issued for glucose and other foods, and asking for a memorandum to be issued as soon as possible. Mr. J. C. Somerville, M.P.S., said goodwill on both sides would do more than the issue of regulations.

## IRISH NEWS

**Ulster Associates.** — At a meeting of the associates' committee of the Ulster Chemists' Association on February 24, the following were approved for associate membership: Assistant, Mr. James S. Maguire; apprentices, Miss Elizabeth A. Smith and Mr. Robert Graham.

**Dublin Football.** — The Dublin College of Pharmacy Gaelic Athletic Association Club was beaten recently in a league game against Peadar Macken's No. 2 senior team. The college team is to play University College, Dublin, in the first round of the Dublin senior championship on March 27.

**Irish Drug Association.** — The following have been elected members of the Irish Drug Association: Messrs. A. J. Boyle, M.P.S.I., Aughrim, co. Wicklow; Luke Healy, M.P.S.I., Drogheda; E. R. McAuliffe, M.P.S.I., Crumlin, Dublin; McAnena, Ph.C., Ballaghadereen, co. Roscommon; T. McGoldrick, M.P.S.I., Collooney, co. Sligo; and Wright's Pharmacy, Dunmanway, co. Cork.

**Londonderry Chemists' Association.** — The need for continued reciprocity with the Pharmaceutical Society of Great Britain was stressed by Mr. Henry H. Cowd (president, Pharmaceutical Society of Northern Ireland) when he spoke at the annual dinner of the Londonderry Chemists' Association on February 24. Northern Irish pharmacists, he said, had always enjoyed a high reputation. With the present trend for higher education, the Society could not lag behind. The Society's certificate would be accepted in Britain and other countries and if it was found necessary to raise the standard a little more, he hoped members would understand the reasons. Recent advances in medicine imposed a responsibility to be up to date. The president was responding to "The Society," proposed by Mr. R. Harper, who said the Council, of which Mr. S. E. Campbell was the Londonderry representative, had the interests of pharmacists at heart. Mr. E. C. Steenson (chairman of the Association) presided. "The Guests" was proposed by Mr. T. I. Hamilton, Mr. W. Gorman replying.

## TOPICAL REFLECTIONS

### National Formulary, 1949

Mr. T. C. Denston's address on the National Formulary, 1949 (p. 270) has the authority based on his record as secretary of the Formulary Committee and as editor of the works mentioned in your biographical note on p. 263. Subject to the fact that all such manuals are the better for criticism from those who use them, it may safely be claimed that the new Formulary is a distinct improvement on its predecessors. My few remarks on this occasion relate chiefly to nomenclature. For the first time in my experience (unless I have forgotten) such names as *mistura expectorans* are described as trivial. It is easy to object that this and analogous names lack precision and should properly be applied to classes instead of to individual preparations; but the objection seems academic. The practical convenience of these titles outweighs any theoretical impropriety. The change of formula for what are described by synonym as vegetable laxative tablets is inconvenient, and may lead to confusion and annoyance. Again, the parallel use of ammonium carbonate and bicarbonate will necessitate a specially careful scrutiny of doubtful National Health Service prescriptions. With due deference to pharmacologists, I venture to suggest that the last word on the prescribing of bismuth carbonate has not yet been said. Against the difficulty of interpreting clinical tests may be set a long experience of this chemical as a help in gastric disturbance.

### Transport in London

On p. 275 you have called attention to a matter of national importance. An improvement of means of travelling within the London area, the subject of a recent memorandum by the London Chamber of Commerce, concerns not only those whose daily work lies within that area but also the uncounted multitude living elsewhere and visiting the Metropolis on business or for pleasure. Not till 1863 did a practical scheme for relieving traffic congestion in London streets come into operation. On January 10 in that year the first section of the railway now called the Inner Circle was opened. Gloomy prophecies of failure had heralded its construction. Persons calling themselves engineers foretold the collapse of tunnels on account of the weight of traffic in the streets above

them; damage to house property due to vibration; injury to health arising from engine fumes. The section of the line mentioned extended from Bishop's Road, Paddington, to Farringdon Street: it was gradually lengthened to connect with more railway termini and to form a complete ring. Some of the termini now in use did not exist in 1863; but the popular success of the scheme was assured from the opening day, and shares quickly rose in value. Pharmacists profited by the advent of underground railways by establishing shops at some of the more important stations in the Central London area. Till the coming of electrification the lighting and ventilation of the trains left something to be desired, as those who used the line in Victorian days will remember.

### Distance from Home

This fragment of history is recalled as a preface to emphasising your remark that one desideratum is "to set in reverse the tendency for workers in London to travel from and to the outskirts." In "Georgian London" (1945) John Summerson makes the sound observation that the basis of the building history of London "is the trade cycle rather than the changing ambitions and policies of rulers and administrators." This truth involves the corollary that unless post-war building proceeds with full regard to trade requirements it will go astray. It is a sad fact that in one of the air raids of the second world war the few residential houses in Neville's Court, an old-world backwater within the City "square mile," were swept away. Experience leads to an estimate that few of those who work in Central London live less than forty-five minutes' travelling distance from their place of occupation. It follows that relief for this condition should include blocks of flats situated in or near this region as well as additional means of transport for them and for those who prefer homes further away. To quote Summerson again: "We have seen the continuation and decline of 'metropolitan improvements,' the out-thrust of estate developments towards an incontinent suburbia created by the railways, the metamorphosis of the City, and, lastly, the overthrow of Georgian standards of taste under the assault of a new, combative attitude of mind . . . ." It is time that a more rational attitude was adopted towards this pressing problem.

**Xrayser**

## DEATHS

**ANDERSON.**—On February 4, Mr. Adam Anderson, M.P.S., 68 Euston Avenue, Watford, Herts. Mr. Anderson qualified in 1929.

**BROTHERTON.**—On February 15, Mr. Edward Brotherton, M.P.S., 48 Broadway Market, London Fields, London, E.8, aged thirty-six.

**CORNER.**—On February 13, Mr. Edward Corner, M.P.S., 60 Miles Bank, Hanley, Staffs, aged sixty-nine. A prominent churchman—he was a lay reader and bell ringer at St. John's—Mr. Corner was also keenly interested in photography and Esperanto. A native of Whitby, Yorks, he was apprenticed in his home town. After qualifying in London in 1901, he joined Edmund Jones, Ltd., Hanley. Pharmacists present at the funeral included Messrs. R. A. Hackney (president, North Staffordshire Branch, Pharmaceutical Society), H. E. Denby (secretary), Harold Coxon (managing director, John Knox, Ltd., manufacturing chemists, Fenton), W. F. Redfern (T. C. Cornwell, Ltd., Hanley), S. J. Mott and D. Harding.

**DELARUE.**—On February 18, Mr. Edward Ludlow Delarue, 28 Lullington Avenue, Hove, Sussex, formerly of 28 Stratford Road, Thornton Heath, Surrey, aged eighty-four. Mr. Delarue qualified as a chemist and druggist in 1886.

**FELTWELL.**—Recently, Mr. John Greenwood Feltwell, M.P.S., 90 Church Road, Barnes, London, S.W.13, aged seventy-six. Mr. Feltwell had been in business since 1900.

**GUTHRIE.**—In Glasgow, on February 22, Mr. Thomas Guthrie, M.P.S., 20 Churchill

Drive, Glasgow, W.1, aged eighty-seven. Mr. Guthrie, who was president of the Pharmaceutical Society of Great Britain in 1938-39, was a native of Wigtownshire. He served his apprenticeship in Musselburgh and after qualifying became manager of the retail department of J. F. Macfarlan & Co., Edinburgh. After further experience

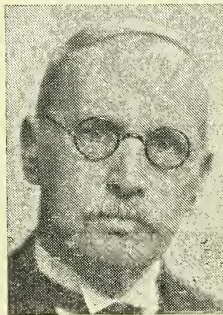
locally and in Newcastle-on-Tyne he commenced business on his own account. Cupar, Fife, but removed in 1901 to Clydebank, where he opened a pharmaceutical business to which he later added a branch. He was first elected to the Council of the Pharmaceutical Society in 1916, and in 1925 became its treasurer a post he held until 1930. He was the second Scot to achieve the distinction of becoming president of the Pharmaceutical Society. Mr. Guthrie was one of the founders and a past-president of the Chemists' Friendly Society, and was an *ex-officio* member of the former North British Executive of the Pharmaceutical Society. He served for periods on the National Health Insurance Drug Accounts Committee in Scotland, the Pharmaceutical Standards Committee (Scotland), and the Committee of the School of Pharmacy, Royal Technical College, Glasgow. He is survived by a son and two daughters.

**HALE-WHITE.**—At his home in Oxford on February 26, Sir William Hale-White, K.B.E., M.D., F.R.C.P., for many years Physician at Guy's Hospital, London, aged ninety-one. Sir William was a member of the staff of Guy's Hospital for thirty-four years. He was founder of the "Postgraduate Medical Journal" and did much for medical education. He was president of the Association of Physicians of Great Britain and Ireland, 1930-31, and one of the original editors of its journal. The first edition of his "Material Medical Pharmacy, Pharmacology, and Therapeutics" appeared in 1892, and the twentieth, completing the 130th thousand, in 1944.

**PHILIP.**—On January 23, Mr. Charles Philip, M.P.S., 184 High Street, Penarth, London, S.E.20, aged seventy-two.

**POSTLETHWAITE.**—On February 13, Mr. Richard George Postlethwaite, M.P.S., Hawcoat Lane, Barrow-in-Furness, aged seventy. Mr. Postlethwaite was a native of Barrow and served his apprenticeship at Ulverston, Lancs. He commenced business on his own account at Morecambe in 1900 and remained there until 1930, when he retired on account of ill health.

**SAVAGE.**—Recently, Miss Kathleen M. Savage, M.P.S., 53 Station Road, Burnham-on-Crouch, Essex. Miss Savage, who qualified in 1920, was a director and superintendent of Savage (Chemist), L. Burnham-on-Crouch.



**SHRIVE.**—On February 20, Mr. William Shrive, M.P.S., 392 Staines Road, Twickenham, Middlesex, aged seventy one. Mr. Shrive served his apprenticeship with Roberts & Co., Paris, qualifying in 1901. He was for some years in partnership in the Faubourg Ste. Honoré, Paris, but returned to England about thirty years ago, going into business under the name Gamble & Co., at 347 Kensington High Street, London, W.8. He retired recently. Mr. Shrive was a life member of the Pharmaceutical Society.

**SPURGE.**—On January 22, Mr. Ernest Spurge, Church Street, Great Geggeshall, Braintree, Essex, formerly of London Road, Bognor Regis, Sussex, aged sixty-six. Mr. Spurge qualified as a chemist and druggist in 1888.

**TIDBALL.**—On August 16, 1948, Mrs. Margaret Tidball, M.P.S., 318 Tile Hill Lane, Coventry, Warwicks. Mrs. Tidball qualified in 1921.

**WALTON.**—On February 12, Mr. Fredrick William Walton, M.P.S., Wyeshurst, Abbrook, nr. Chepstow, Mon, formerly of Black Halve Lane, Wednesfield, Staffs. Mr. Walton qualified in 1920.

**WRIGHT.**—At his home 131 Chapel Street, Lancs, on February 18, Mr. Robert Wright, M.P.S., aged seventy-four.

## PERSONALITIES

**SIR HENRY NEWLAND** has resigned as federal president (in Australia) of the British Medical Association after twenty years' continuous service.

**MR. W. PARRY WILLIAMS, M.P.S.** (secretary of the Glamorgan Pharmaceutical Committee) has been re-elected to the Glamorgan Executive Council for three years from March 1.

**MR. J. H. CUNNINGHAM, M.P.S.,** Wimbledon, London, S.W.19, has been installed master of King Arthur Lodge of Freemasons, No. 6593, of which he is a founder.

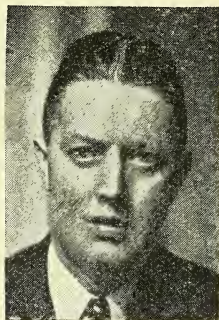
**MR. J. L. HINDLE** (managing director, Standard Synthetics, Ltd., London) has returned to Britain after a business trip to the United States.

**MESSRS. J. B. LLOYD, Ph.C.** (chief pharmacist, Manchester Royal Infirmary) and

**ENNIS F. SMITH, M.P.S.** (chief pharmacist Royal Manchester Children's Hospital), and **MISS M. E. BRIGHTEN** (employment secretary of the National Association of Women Pharmacists) were the authors of letters published in the "Manchester

Guardian" recently, dealing with the inadequacy of hospital pharmacists' salaries.

**MR. VERNON S. PORTER**, joint managing director since March 1 (see p. 300) of Barclay & Sons, Ltd., London and Brighton, has been actively associated with the marketing of chemists' sundries for twenty-six years, and is well-known for his work in packaging, product design, sales promotion and the organisation of exhibitions. It is understood that Messrs. Barclay have plans now in hand for the development of the company's activities.



## WILLS

**MR. G. H. BATT, M.P.S.I.**, 98 Sandymount Road, Dublin, left £19,395.

**MR. J. BROOKES, M.P.S.**, 2 Arthur Road, Chadwell Heath, Essex, left £2,398 (£2,335 net).

**MR. A. H. COURSE, M.P.S.**, Dean House, Mitcheldean, Glos, left £9,965 (£9,620 net).

**MISS M. LUCAS, M.P.S.**, The Pyghel, Cliff Park Lane, Paignton, Devon, left £1,965 (£1,648 net).

**MR. A. D. COLLIER, M.P.S.**, 9 Park Lane, Guisborough, Yorks, left £11,787 (£9,882 net).

**MR. A. FIELDSEND, M.P.S.**, 40 High Street, Penistone, and 11 Market Street, Penistone, Yorks, left £394.

**MR. G. AVERILL**, retired pharmacist, Little Orchard House, Wolseley Road, Rugeley, Staffs, left £36,051 (£35,134 net).

**MR. J. CHRISTIE, M.P.S.**, The Gables, 4 Buchanan Street, and 50 Main Street, Largs, Ayr, left £12,763.

**MR. A. W. TIRRELL**, retired pharmacist, 62 The Avenue, Harphelds, Hartshill, Stoke-on-Trent, Staffs, left £10,565 (£10,484 net).

**MR. H. WHALEY, M.P.S.**, 60 Lawford Road, Rugby, and 7 Sheep Street, Rugby, Warwicks, left £8,714 (£8,597 net).

**MR. P. C. WHITEHOUSE, M.P.S.**, 35 Ballogie Avenue, Neasden, London, N.W.10, left £2,368 (£2,103 net).

**MR. R. S. SUTTON, M.P.S.**, 11 Kirkstall Road, Birkdale, Southport, Lancs, left £5,215 (£5,067 net).

**MR. W. A. ATKINSON, M.P.S.**, 70 Belgrave Road, Wanstead, Essex, formerly of Whitby, Yorks, left £3,945 (£3,867 net).

**MR. B. H. POWELL, M.P.S.**, 87 London Road, Cheltenham, Glos, formerly of Birmingham, left £2,152 (£2,119 net).

## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MRS BARBARA CASTLE asked the Minister of Food on February 21 whether, in order to protect the health of the public and of children in particular, he would make it clear that any manufacturer convicted of selling adulterated sweets would have his licence withdrawn.

MR. JOHN STRACHEY: Local authorities are responsible for enforcing the sections of the Food and Drugs Act and the Defence (Sale of Food) Regulations, which deal with the adulteration of food and the use of misleading labels. I consider convictions under the Act and regulations, and if necessary, I shall withdraw licences.

### Lactose Imports

MR. FREDERICK HARRIS asked the Minister of Food on February 21 whether, since home production of lactose was ample to meet requirements, imports of lactose would be discontinued. MR. JOHN STRACHEY replied that lactose was not imported by the Ministry but by private traders under licence, and he saw no reason for further restrictions.

### Purchase Tax

MR. DOUGLAS JAY informed MR. I. J. PITMAN on February 21 that the £300 million yield from purchase tax in 1948 included £1,700,000 from photographic goods; £8,100,000 from toilet requisites and hairdressing machinery; £10,800,000 from drugs and medicines; £18,100,000 from toilet preparations and perfumery.

SIR STAFFORD CRIPPS informed MR. JOHN LEWIS on February 22 that a retail sales tax had been repeatedly considered and rejected as unsatisfactory. He was quite aware, he said, of the difficulties raised by purchase tax, especially if people contemplated that there was likely to be any alteration, but he was afraid that it was not a matter that could be overcome by a retail sales tax.

### Medicines to Patients Not on Panel

MR. F. W. SKINNARD asked the Minister of Health whether he would introduce regulations to make eligible to receive medicines and drugs free of charge under the Health Service those private patients who were refused admission to the panel of the doctor of their choice because he considered that they resided at an uneconomic distance from his surgery. MR. ANEURIN BEVAN: "No." In a sup-

plementary reply he said that if the doctor did not take the patient, the patient should seek another doctor. There was no justification for amending the whole of the Act.

### Research on Rheumatic Diseases

Replying to DR. SEGAL on February 22 MR. HERBERT MORRISON (Lord President of the Council) said: I have no information about contributions by members of the public to unofficial organisations interested in the promotion of research in rheumatic diseases. Government aid of medical research in all branches is given through the Medical Research Council or in the case of certain types of work through the Ministry of Health.

### Medical Treatment Abroad

SIR STAFFORD CRIPPS (Chancellor of the Exchequer) refused on February 22 to give COLONEL STODDART-SCOTT the names of members of the Exchange Control Medical Advisory Committee, on the grounds that it would be undesirable for personal pressure to be brought to bear upon them.

### Prices and Profits

SIR STAFFORD CRIPPS (Chancellor of the Exchequer) informed MR. RONALD CHAMBERLAIN on February 22 that the Federation of British Industries had responded to the Minister's requests to secure limitation upon any increase in dividends, and take what steps it could to see that a price reductions that were possible were brought about. A large number of price reductions, said Sir Stafford, had resulted and the plan to limit dividends had been "largely if not wholly" successful.

Removal of more industrial controls was forecast by MR. JOHN EDWARDS (Parliamentary Secretary to the Board of Trade) on February 22 when he said, in reply to MR. F. J. ERROLL, that the Minister hoped to announce some further relaxation in the course of next month.

### Precautions Against Induced Immunity

On February 23, MAJOR S. RAMSAY asked the Colonial Secretary whether every precaution was being taken to prevent the development of races of trypanosome immune against Anttrycide in view of the fact that many such races had developed from the use of other drugs. MR. CREECH JONES replied that his advisors were conscious of the possibility and for that reason

the use of Antrycide was being controlled initially by Government veterinary departments.

### Over Extracts

WHEN MAJOR GUY LLOYD asked the Minister of Health on February 24 a question suggesting that commercial liver extracts were being prepared from animal livers unfit for human consumption, MR. LEURIN BEVAN replied that the process

of extraction made the extracts safe. It would be impossible to apply individual clinical tests but he proposed to consider, with the Ministry of Food, whether any other action should be taken. The Minister charged Major Lloyd with having made a statement that might have a frightening effect on people who were taking the extract.

The Tenancy of Shops (Scotland) Bill received a third reading on February 22.

## LEGAL REPORTS

**Medicine Without Consent.** — Allegations that a drug had been administered secretly to her and against her wishes were made by a former woman patient against Dr. Walter James Drummond, Salisbury, Salisbury county court recently. The doctor claimed from Mrs. I. A. Kent, 10, Gavelly Hotel, Salisbury, £17 6s. 8d. for professional services. Mrs. Kent counter-claimed £500 damages and £101 special damages. In the counter-claim it was alleged that the doctor caused to be administered to Mrs. Kent considerable doses of phenobarbitone, contrary to her wishes and without her consent, the drug having been administered in a meat extract beverage for a period of twelve-and-a-half weeks, notwithstanding that she refused to have the drug administered to her in the ordinary form of tablets. Mrs. Kent claimed that the psychological and physical consequences of the secret administration of the drug were that she had suffered from debility and from psychological consequences from which she had not yet fully recovered. Dr. Drummond, giving evidence, said he prescribed the drug because Mrs. Kent was getting into such a nervous state he had to do something to soothe her. He thought the easiest way to give her phenobarbitone was to ask the doctor to put it in her meat extract beverage. The treatment, he considered, had been beneficial. The effect of one grain per day could not possibly have the consequences alleged in the counter-claim. Judgment was reserved.

**Mineral Oil in Foodstuff.** — At Beveridge, Hull, on February 22, East Riding Appeals Committee allowed an appeal by Harry Grimshaw Preston, Vale Villas, Beveridge, Knottingley, against conviction and a fine of £50 imposed by the Justices of the Peace and Derwent magistrates on December 2, 1948, on an allegation of publishing an advertisement calculated to mislead as to the nature of a baking composition.

Preston was alleged to have supplied baking composition to a Barlby grocer with leaflets advertising it in the following words:

"Not rationed. Favouritt Baking Composition. Makes lovely flaky pastry. Ideal for all confectionery, cakes, pies and bread. Use not more than four oz. to one pound of flour. Rub well in and enjoy the result. Not rationed."

A public analyst said the composition was soft white paraffin and had no food value. In evidence before the Committee on the result of his researches into the effect on the body of the consumption of mineral oils, Professor Alistair C. Fraser, Birmingham, said there was unquestionable proof of the presence of cancer-producing substances in crude oils and also of the production of cancer-producing substances by heating certain crude oils. Professor Fraser said that mineral oils were not absorbed when eaten and as a consequence they tended to carry vitamins out of the body. After referring to the cancer-producing properties of crude oils, he said the question turned on whether the soft white paraffin was sufficiently refined to remove these ingredients. Asked by Mr. G. M. Smailes (for Preston), whether the baking composition under consideration was crude oil, Professor Fraser replied: "I would say that mineral oils taken internally should conform to the pharmaceutical standards, and if they do not conform there is a definite risk that they can contain harmful substances." The observations had been reported fairly extensively in the medical Press but he did not think there had been any reference to them in the public Press.

Allowing the appeal, the judge said the Committee attached importance to the fact that the advertisement began and ended with the words "not rationed." "It is the opinion of this Committee that there is nothing in this advertisement which could be described as misleading to the public within the meaning of the section."

## TRADE NOTES

**Dispensary Units.**—D. Mawdsley & Co., 64 Faulkner Street, Manchester, 1, invite inquiries for pharmacy and laboratory fixtures and fittings or individual units.

**Price Reductions.**—Elsewhere in this issue British Schering, Ltd., 167 Great Portland Street, London, W.1, tabulate new reduced prices for a number of the company's specialities.

**Show Material.**—A new showcard for Velocium cold and catarrh treatment is illustrated on another page by the sole distributors, Emmet Distributing Co., Ltd., 140 Park Lane, London, W.1.

**Feeding-bottle Teats.**—A "long-shanked" member of the Wellborn series of feeding-bottle teats is illustrated on another page by the makers, the Cannon Rubber Manufacturers, Ltd., 5A Welbourne Road, London, N.17.

**Floral Face Powders.**—J. Grossmith & Son, Ltd., 45 Piccadilly, London, W.1, have issued two new presentations of face powder: in White Gardenia and English Freesia perfumes. Both are available in seven colours.

**Now Formulated with DDT.**—Thomas Keating, Ltd., Billingshurst, Sussex, give a reminder that Keating's powder "plus DDT," now combines with the "knock-out" effect of the former Keating's powder the long-lasting lethal action of DDT.

**Diabetic Foods.**—Energen Foods Co., Ltd., in collaboration with Energen Dietary Service, Willesden, London, N.W.10, have published the fourth (revised) edition of the Energen book, which discusses the dietary treatment of common ailments, with examples and recipes.

**Rutin with Ascorbic Acid.**—To facilitate the common practice of prescribing vitamin C in conjunction with rutin, Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have introduced tablets containing 60 mgm. rutin with 25 mgm. vitamin C (as ascorbic acid). A retail size of 100 tablets and a dispensing size of 1,000 are available.

**At Ideal Home Exhibition.**—In addition to the exhibitors already named as taking part in the "Daily Mail" Ideal Home exhibition, Olympia, London, March 1-26 (*C. & D.*, February 19, p. 236) Paines & Byrne, Ltd., Pabryn Laboratories, Bilton Road, Greenford, Middlesex, have a display of Pabryn rose-hip syrup in the children's section.

**Platinum Electrodes.**—Under this title a twenty-page booklet issued by Johnstone Matthey & Co., Ltd., 78 Hatten Garden, London, E.C.1, gives details of an extensive range of electrodes issued by the company for use in electro-chemical analysis, with indications of the advantages and limitations of each. A copy of the booklet will be sent on request.

**London Buying Arrangements.**—A. St. Dalmas & Co., Ltd., Leicester, announce that their Mr. G. F. Moore will be in attendance at the company's London office, 140 St. John Street, E.C.1, every Thursday to interview representatives offering new lines. Interviews should be by appointment arranged with the company's headquarters at Junior Street, Leicester.

**Bonus Offers.**—Details of current bonus offers are given on other pages in this issue by ADDIS, LTD., Hertford (Widening bristle and Wisdom extra tooth-brush) and ASPRO, LTD., Trading Estate, Slough, Bucks. A bonus scheme for Boon's emulsion is being withdrawn on April 1 by the manufacturers, BOON DORAL, Ltd., Calder Street, Manchester, 2 (distributed by A. M. Ashford, Ltd., Hunter Road, Slough, 6).

**Expanding Bottle-stopper.**—Metal Products (Kentish Town), Ltd., Springfield House, Spring Place, London, N.W.5, have introduced a self-sealing airtight expanding bottle stopper, which is adjustable to ensure a perfect closure for a wide range of sizes of bottle. The stopper consists of a rubber washer with metal expander. The company also manufactures the Metal hair trimmer, a metal comb with razor blade attached.

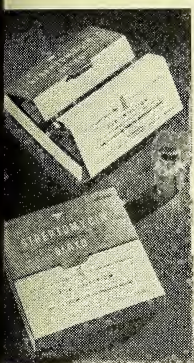
**Again in Full Production.**—H. Broyley & Co., Ltd., whose present address is the subject of a note on p. 300, are again in full production of their soap and toilet preparations, and have re-stated a canteen, offices and showroom at Devonshire Works. They hope eventually to rebuild on the freehold site at Warley Way; meanwhile visits from home and overseas clients and suppliers are welcomed by the company.

**Ammonium-ion Tooth-powder.**—An announcement appears in this issue by Wernet Dental Manufacturing Co., Weymouth Garden City, Herts, of a new ammonium-ion tooth-powder, Ammon

nt, distributed to the trade by Fassett Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1. The dentifrice is claimed to prevent tooth decay by releasing ammonium in sufficient amounts to destroy *Staphylococcus acidophilus* in the mouth.

**Anti-filaria Compound.**—Burroughs Wellcome & Co., London, N.W.1, announce the issue of Banocide brand diethyl-4-amazone, a new organic compound, free from metallic elements, for the oral treatment of the tropical disease filariasis. Banocide, which is markedly active against malarial parasites, particularly *Wuchereria bancrofti* and *Onchocerca volvulus*, is issued as 50-mgm. compressed products in quantities of twenty, 100, 1,000 and 5,000. Further information is available on request.

**Streptomycin Pack.**—Though supplies of streptomycin in the United Kingdom continue to be distributed through official channels, Glaxo Laboratories, Ltd., Greenford, Middlesex, are packing the drug as attractively as if it were on the open market. A small nested container of new design has been introduced (see illustration) replacing the individual cartons hitherto used. The pack was conceived by Mr. J. L. Win-



field (head of the packaging unit, publicity services group, Glaxo Laboratories, Ltd.). The art work was by Mr. A. E. Fisher, the company's chief artist.

**Interchangeable Display Stand.**—The Crookes Laboratories, Ltd., London, N.W.10, are issuing a new display stand that enables pharmacists with ease and economy to ring the changes on displays of Crookes products. The permanent stands are supplied in two sizes (24½ in. x 17 in. x 8 in.; 15½ in. x 13 in. x 5 in.). A slit in the centre panel provides for the back strut of a showcard to be inserted and a cut at the base of the strut of all new Crookes showcards enables the card to be securely held in position. Packings of the product corresponding to the showcard are then placed on either side, or in front, of the showcard and the display

is complete. The stands are made of heavy board and should give several years' service. A varnished surface enables them to be kept clean by an occasional wiping.

## Proprietary Articles Trade Association

**Additions to Protected List (Part 1).**—G. T. Fulford Co., Ltd., of Canada. Bablets (trial size) supplied in minimum boxes of 24, plus bonus of 4 packets, 4s. 4d. box, tax 33½ per cent., one packet 3½d. (Trial size not at present available in Eire).

**Glain Industries.** Glain boil pilules, 14s. 3d. doz., tax 33½ per cent., inclusive retail price 2s. 2d. Glain liver pills, 40's, 6s. 8d., tax 33½ per cent., i.r.p. 1s.

**Glaxo Laboratories, Ltd.,** Celin tablets, 200 mgm., 25's, 44s. doz., 5s. 6d.; 100's, 156s. doz., 19s. 6d.; (dispensing) 1,000's, 116s. 8d. each, 175s. Colloidal calcium with Ostelin, ampoules, 6 x 1-c.c., 45s. doz., 5s.; 12 x 1-c.c., 76s. 6d. doz., 8s. 6d.; 100 x 1-c.c., 480s. doz., 53s. 4d.; 30-c.c. r/c bottle, 90s. doz., 10s. Heptalgin tablets, 10-mgm., 25's, 31s. 6d. doz., 3s. 6d.; 100's, 94s. 6d. doz., 10s. 6d.; ampoules, 6 x 1-c.c., 49s. 6d. doz., 5s. 6d. Vitepyelosil ampoules, 1 x 10-c.c., 76s. 6d. doz., 8s. 6d.; 5 x 10-c.c., 382s. 6d. doz., 42s. 6d. (all exempt from tax).

**Alterations to List (Part 1).**—Hough, Haseason & Co., Ltd., Reboma, 15s. 11d. doz., tax 33½ per cent., i.r.p. 2s. 3d.

**Iglodine Co., Ltd.,** Iglodine throat tablets, 4s. 3d. doz., tax 33½ per cent., i.r.p. 7½d. £2 10s. assorted orders, 4s. doz.

**Parke, Davis & Co.,** Cystitis tablets, Rx. 1 (CCT 71), bottles of 100, 37s. 4d. doz., tax 33½ per cent., i.r.p. 5s. 8½d.

**Additions to List (Part 2).**—Allen & Hanburys, Ltd. Allenburys basic soap, 3-oz. tablets, 6s. 6d. doz., tax 33½ per cent., i.r.p. 10½d.

**Tattoo Cosmetics, Ltd.** (distributors, Fassett & Johnson, Ltd.), Tattoo Nailcote (clear lagoon), 10s. doz., tax 100 per cent., i.r.p. 2s. 1d.

**County Perfumery Co., Ltd.,** additional sizes, Brylfoam, F502, large tube, 12s. doz., tax 33½ per cent., i.r.p. 1s. 10d. Brylshave, S2, large tube, 12s. doz., tax 33½ per cent., i.r.p. 1s. 9d.; S3, small tube, 8s. 6d. doz., tax 33½ per cent., i.r.p. 1s. 3½d.

**Fasteeth-Clark Cleveland, Inc.** (Agents, Thos. Marns, Ltd.), Cleveland's Fasteeth denture-fixative, additional size, 12s. doz., 1s. 6d. (exempt).

**Alterations to List (Part 2).**—Tattoo Cosmetics, Ltd. (distributors, Fassett & Johnson, Ltd.), Tattoo lipstick refill, large size, 20s. doz., tax 100 per cent., i.r.p. 4s. 2d.; lipstick, medium size, 16s. doz., tax 100 per cent., i.r.p. 3s. 4d.

**J. Goddard & Sons, Ltd.** Goddard's plate-powder, 11s. 3d. doz., 1s. 3d.; 22s. 6d. doz., 2s. 6d. (exempt).

**Marie Antoinette Co., Ltd.,** One-gross lots to retailers subject to 5 per cent.

**Tokalon, Ltd.,** Tokalon face-powder, retailers ordering £3 assorted with other Tokalon preparations invoiced at 9s. 9d. per doz.

**Voltas, Ltd.,** revised prices, March 1, Voltas, 1-gall., 63s. doz., 6s. 9d. (exempt).

## NEW COMPANIES

**BARROW NESBITT & Co., LTD. (P.C.).**—Capital £2,000. To carry on the business of chemists, druggists and opticians, etc. Harry Barrow and Frederick W. Nesbitt, M.P.S., directors. R.O.: 116 West Derby Road, Liverpool.

**WILLIAMS CHEMISTS (ST. HELENS), LTD. (P.C.).**—Capital £1,500. To acquire the business of a drug stores heretofore carried on by E. Williams at 70 Kirkland Street, St. Helens, Lancs. Eric Williams and A. H. Brett, M.P.S., directors.

**OXIRANE, LTD. (P.C.).**—Capital £30,000. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. First directors are to be appointed. Solicitors: Hardman, Phillips & Mann, 10 Norfolk Street, London, W.C.2.

**PALMERS (CHEMISTS), LTD. (P.C.).**—Capital £10,000. To carry on the business of retail and wholesale chemists, druggists, etc. Mary E. Haines, Douglas H. Haines, M.P.S., and Gordon C. Haines, directors. R.O.: 49 Cherry Street, Birmingham.

**HORTICULTURAL FERTILISERS & SUNDRIES, LTD. (P.C.).**—Capital £500. To carry on the business of retailers and manufacturers of fertilisers, chemists and druggists, etc. Roland J. T. Morton and Jean E. Morton, directors. R.O.: 16 Hanworth Road, Feltham.

**M. PERRELL & Co., LTD. (P.C.).**—Capital £100. To carry on the business of manufacturers, importers and exporters of and dealers in special chemical formulas, and the distribution of pharmaceutical, medicinal and chemical preparations, etc. Mark Perelmutter, director, 31 Chesterfield House, South Audley Street, London, W.1.

**BEVOIS WHOLESALE CO., LTD. (P.C.).**—Capital £500. To carry on the business of wholesalers and retailers of and dealers in all kinds of merchandise, including patent medicines, drugs, chemicals, etc. Frederick H. Rood, Harold Rood, Arthur Rood, Albert E. Rood and Ernest G. Rood, directors. R.O.: 1 Alma Road, Southampton.

**CHEMICAL & ENGINEERING CO., LTD. (P.C.).**—Registered in Dublin. Capital £2,000. To buy and sell, import or export raw materials, manufactured goods, engineering and chemical products, etc. First directors are not named. Subscribers' address: 95 Lower Beechwood Avenue, Ranelagh, Dublin.

**STOKENCHURCH PHARMACY, LTD. (P.C.).**—Capital £3,000. To carry on the business of manufacturers of and dealers in chemicals, drugs, etc. Mabel D. Elliott, Dr. John E. Elliott, Dr. Edmund Gillett, Dr. Christopher J. H. Starey and John W. Batten, M.P.S., directors. R.O.: The Pharmacy, The Patch, Stokenchurch.

## Company News

**SPA BRUSHES, LTD.**—An interim dividend has been declared of 10 per cent. [the company was made public in September, 1948 (see *C. & D.*, 1948.11.399)].

**MANCHESTER OIL REFINERY, LTD.**—The list of applications opened and closed on March 3 for a public issue of £650,000 4½ per cent. first mort-

gage debenture stock, 1964-74, at a price of 95 per cent. The issue was accompanied by a private placing of £25,000 5½ per cent. cumulative preference shares and of 300,000 ordinary shares, 5s. each.

**BARCLAY & SONS, LTD.**—Mr. Vernon S. Porter has been appointed (from March 1) joint managing director with Mr. William Herman. Mr. Lintay Barclay remains as chairman of the board.

**Dividend Limitation.**—The Federation of British Industries recently approached industrial companies to ascertain their views on dividend limitation during the next twelve months. The current year of voluntary dividend limitation ends on March 31. In their replies the following companies, among others, indicated that they would not recommend an increased rate of dividend during the period in question:—British Aluminium; British Oxygen; British Xylonite; Fisons; Lever Brothers & Co.; Lever; Reckitt & Sons; Southalls. A number of companies have agreed to follow a policy of "moderation and restraint" in dividend payments including British Celanese; Dunlop; Glaxo Laboratories; Ilford; King (George, & Co.); Liebig; Monsanto Chemicals; Ward (Thomas & Co.). Some of the latter companies qualify their acceptance. Imperial Chemical Industries are to continue the policy of dividend limitation followed in 1948 "unless major circumstances arise affecting the company which would cause a change of policy."

## BUSINESS CHANGES

**SILF CO., LTD.**, have removed to Vereker House, 1-3 Gresse Street, London, W.1. Telephone Museum 3219.

**HIRST, BROOKE & HIRST, LTD.**, Leeds, 7, have appointed Mr. D. Reeds, B.Pharm., Ph.C., head of their penicillin and ampouling department.

**S. MAW, SON & SONS, LTD.**, New Barnet, Herts., have appointed Mr. L. Skinner export sales manager as from April 1.

**MR. H. E. BROCKSOM, M.P.S.**, has acquired from Mr. J. Hearle, M.P.S., the 70 Chapel Market, Islington London, N.1, branch of Wootton Cash Chemists.

**ROBERT BLACKIE, LTD.**, wholesale and manufacturing chemists, Pomeroy Street, London, S.E. have appointed Mr. James Mulford, 46 Welford Road, Shirley, Birmingham, their representative for the Midlands.

**S. MAW, SON & SONS, LTD.**, New Barnet, Herts., announce that Mr. Vernon S. Porter resigned his post with the company on January 31. He has been released at short notice to meet his personal wishes and ceased his duties on February 11.

**H. BRONNLEY & Co., LTD.**, have removed their headquarters to Devonshire Works, Duke's Avenue, Chiswick (Telephone: Chiswick 4761). [The company's main works at Acton, London, W.3, were destroyed by fire in December 1948.]

**ANTOINE CHRIS, LTD.**, have transferred their administration dept. to Bridge House, Tadworth Surrey (Telephone: Tadworth 2207). The company's sales office is being maintained at Regent House, 82 Park Street, London, W.1 (Telephone: Mayfair 3906).

## A PACKAGING MATERIAL NOW BRITISH MADE

Lord Ammon, deputising for Sir Stafford Cripps, opens new works (planned in 1939) for the manufacture of transparent Pliofilm.

FACTORY at Wolverhampton for the manufacture of Pliofilm (rubber hydrochloride), a transparent material with important uses in packaging, was officially opened on February 25. The proprietors, the Goodyear Tyre & Rubber Co., Ltd., have for a number of years been making and marketing Pliofilm in the United States, and in 1939 would have commenced work on a production unit in Britain had it not been for the war.

### Properties and Priorities

Pliofilm is an air-proof, moisture-proof and liquid-proof film—transparent but capable of being tinted. It is odourless, tasteless, non-inflammable, and not liable to tear in use. For these reasons its advantages in providing an outer wrapping for many foodstuffs are obvious, and at present priority is being given to that use and to the wrapping of medicinal products. Later the material will become available for many other purposes.

Manufacture of the product is, in a purely chemical sense, simple: a matter of treating rubber with hydrochloric acid. To translate the chemical reaction into a production process requires, however, large, costly and elaborate chemical engineering construction. As raw material, natural rubber of the best obtainable grade is used. It is first subjected to a series of twelve "breakdowns" on a roller mill, passing through the mill eighteen times at each breakdown, with a cooling interval of at least six hours before the next milling. At the completion of the breakdown series the rubber is taken by overhead conveyor to a mixer, in which it is mixed with a solvent to make a cement of approximately 20 per cent. solids, thence passing to a storage tank. When required for use the cement is pumped into reactors and cooled with refrigerated water prior to reaction. Dry hydrochloric gas, generated in stoneware pots, is pumped into the reactors, in pre-determined amount, and allowed to react for four to six hours. The product is Pliofilm in acid solution.

For conversion into transparent film, the solution is transferred to neutralising tanks, heated, compounded, twice filtered, and maintained at a raised temperature so

as not to solidify. In a casting unit, comprising spreading knife, spreading belt (165 ft. long and 72 in. wide), and dam (holding several gallons of cement at back of knife, the cement is converted into film. The knife is adjusted to give any desired thickness of film.

The film is carried through a dryer heated to 200° F., and the last small amount of solvent removed. Leaving the dryer the film is wound on to steel "shells," each edge of the film being trimmed for smooth winding; the unit produces approximately 3,000 lb. of Pliofilm daily. The finished Pliofilm, transferred to a slitting unit, is slit and rerolled in widths ranging from 1 in. to 60 in. according to requirements. When packed it is ready for shipment. Pliofilm is thermoplastic. The critical temperature is around 230°; sealing, whether by machine or with a suitable hand instrument, therefore requires to be under thermostatic control. The properties of the material enable Pliofilm to be reused by the customer, as it does not pick up odour or taste, and may readily be resealed with, say, an electric iron if the temperature is not excessive.

### Contribution to Export Progress

In declaring the factory open LORD AMMON, deputising for Sir Stafford Cripps, said that not the least valuable aspect of Pliofilm was that its raw material—rubber—came from sterling areas. MR. W. A. HAZLETT (managing director of the company) acknowledged the help and encouragement given by the Chancellor towards proceeding with the 1939 plans for launching the factory—postponed because the company was "rather busy at the time" on work more essential to the war effort. THE RT. HON. L. S. AMERY (another director) pointed out that, by reducing wastage due to attacks of air and moisture, Pliofilm was making an important contribution to export progress.

Demonstrations in methods of sealing Pliofilm were given to guests at the opening, and they were supplemented by a demonstration of the flexible film "unit" packing of tablets by Ivers-Lee (Great Britain), Ltd., who operate a contract packaging service to manufacturers with Pliofilm and other packaging materials.

## DRUGS AGAINST TUBERCULOSIS AND CANCER

AT a meeting of the Fine Chemicals Group of the Society of Chemical Industry recently, Sir Jack Drummond presiding, a discussion on "The Approach to the Chemotherapy of Tuberculosis" was opened by Drs. James Walker and P. M. D'Arcy Hart (National Institute for Medical Research).

DR. WALKER said that the tubercle bacillus was relatively rich in lipid material and its comparative resistance to disinfectants had been thought at one time to be due to the difficulty of penetrating a hypothetical waxy membrane round the bacillus. In consequence, compounds with lipophilic side-chains (thought likely to increase the possibility of penetration) had been prepared and tested. An analysis of the ether-soluble compounds occurring in a culture of human tubercle bacillus had been found to yield a phosphatide fraction, a so-called "fat" fraction and a wax fraction. Among the products of hydrolysis of the phosphatide and "fat" fractions were tuberculo-stearic acid ( $C_{19}H_{38}O_2$ ) and phthioic acid ( $C_{26}H_{52}O_2$ ). Phthioic acid, injected into experimental animals, produced lesions similar to those seen in tuberculosis, but analysis of 2 kilos of tuberculous lung tissue had revealed neither tuberculo-stearic nor phthioic acid. That the acids were not destroyed when added to such tissue had, however, been established. The metabolites utilised in the affected animal were, apparently, more complex than those produced on synthetic media, and inferences from the study of metabolic activities of laboratory strains of pathogenic organisms in excessively simplified systems should be considered cautiously. Knowledge of the metabolic processes of the tubercle bacillus was limited, and an empirical approach to the chemotherapy was inevitable. The use of "Tween-80" (described as the polyethylene derivative of the mono-oleate of an anhydride of sorbitol) made it possible to obtain a uniform diffuse growth and to obtain uniform samples in subculturing.

### Diaminodiphenyl Sulphone

Dr. Walker went on to review some of the substances that had been tried in the chemotherapy of tuberculosis. Gold sodium thiosulphate, received with uncritical enthusiasm in 1924, was now seldom mentioned. 4:4'-diaminodiphenyl sulphone had been found to show marked inhibition of human and avian tubercle

bacilli *in vitro*, and water-soluble derivatives of reduced toxicity had been sought. Of these Promin, Diasone and Sulphetron all probably acted by hydrolysis in the body to diaminodiphenyl sulphone at such a rate as not to exhibit its full toxic side effects. Analogues of such derivatives now under examination included Promize (with one benzene ring of diaminodiphenyl sulphone replaced by the thiazol nucleus) and a DDT analogue in which the sulphone group of diaminodiphenyl sulphone was replaced by the trichloroethylidene group. Sulphathiazole had been shown to be more active *in vitro* than sulphadiazine and diaminodiphenyl sulphone, and activity had been claimed for sulphathiazole and sulpha-ethylthiadiazole, and for the corresponding aminothiazole and amirithiadiazole. Para-acetaminobenzaldehyde thiosemicarbazone and anisaldehyde thiosemicarbazone had been selected for clinical trials, and marked benefit had been claimed from their use in cases of lupus.

### Long Chain Compounds

Consideration of the value of chemoergic and hydnocarpic acids in leprosy (and of the possible value of lipophilic groups in aiding penetration) had led to the examination of long-chain compounds with lipophilic terminal groups, but caution was required as such compounds tended to cause hæmolysis. A series of half esters of dialkylsuccinic acids had been examined (by Barry and others in Dublin) and maximal antitubercular activity had been found in compounds in which the two alkyl substituents together contained about fourteen carbon atoms. Of the substituted benzoic acids investigated para-aminosalicylic acid appeared the most active.

The first use of antibiotics in tuberculosis had been in 1885, when inhalation of cultures of non-pathogenic bacteria had been said to cause improvement. In 1930 some 200 cases of tuberculosis had been treated with extracts of *Aspergillus fumigatus*. In recent years *B. subtilis* has yielded the tuberculostatic polypeptide subtilin, while from *Streptomyces griseus* had been isolated streptomycin.

DR. D'ARCY HART said that of about twenty substances so far found active in experimental tuberculosis infection in animals, only the sulphones, para-aminosalicylic acid, calciferol and streptomycin had so far shown promise in man. T

st promising sulphones were Promizole and Sulphethrone. Clinical results had shown some regressive effect in acute miliary tuberculosis and in certain pulmonary types; combined use of the compounds with streptomycin was under trial. Clinical trials of para-aminosalicylic acid had been in progress in Sweden for three years and investigations of the acid, both alone and with streptomycin, were now being conducted in Great Britain by the Medical Research Council. Calciferol therapy had been shown to result in dramatic and consistent improvements, particularly in lupus vulgaris and other forms of miliary tuberculosis.

The successful use of streptomycin against experimental infection in guinea-pigs showed that, although water-soluble, apparently passed readily into the cells without having to penetrate the supposed lipid coat of the bacillus). The view was held at present that streptomycin saved, at least, temporarily, in a small proportion of acute forms of the disease (e.g., miliary tuberculosis and acute miliary tuberculosis) that had previously almost always proved fatal. The drug had at least a temporary regressive effect in tuberculous ulceration of the larynx and windpipe, and in certain pulmonary types of tuberculosis. While the rather frequent toxic effect of streptomycin on the balance mechanism associated with the auditory nerve could be disregarded in life-threatening conditions, it was a disadvantage in serious forms of tuberculosis. Because of the development of drug resistance, treatment should be planned on the basis that a second course might not be possible. Few cases might result from the effects of streptomycin-resistant tubercle bacilli. Attempts were being made, by using streptomycin with other drugs, to prevent the development of resistant strains.

## Chemotherapy of Cancer

MR. J. H. WILKINSON, Ph.D., M.P.S., gave an address to members of the National Association of Women Pharmacists and the South-west London Chemists' Association at Westminster Hospital, London, recently, reviewed the chemotherapy of tuberculosis and some of the recent developments in the chemotherapy of cancer. The problems of cancer research differed greatly from those of tuberculosis, he said, for the cause of cancer was still a mystery. Prostatic carcinomas could be controlled by treatment with stilbæstrol but

the treatment was not a fundamental contribution to the problem since it was highly probable that a kind of biochemical castration arose through the action of stilbæstrol on the anterior lobe of the pituitary. It had been argued that the administration of male hormones should arrest the growth of cancer cells in the female genitalia, but the assumption was unsound since androgens were normally produced in the female. Examination of the urinary 17-ketosteroids showed them to contain androsterone. Testosterone propionate had been used empirically in the treatment of such tumours, but it was too early to appraise the results.

## Nitrogen Mustard

The "nitrogen mustards" had been developed in consequence of the work done during the war on mustard gas, and had been subjected to clinical trial. Nitrogen mustard usually brought about a temporary improvement in Hodgkin's disease, a malignant condition of the lymph nodes, but the toxic side effects made it very unpleasant for the patient. Rhoads, who had reviewed the results of clinical trials conducted in America, concluded that, despite high toxicity, the use of nitrogen mustard is justified in the treatment of extensive neoplastic diseases if other methods of control have failed. Chemical work was proceeding in developing similar but less toxic substances.

Among other mitotic inhibitors that had been used in the alleviation of cancerous conditions were the urethanes. These compounds had shown a beneficial effect in leucæmia. Acriflavine had also been shown to inhibit mitosis, and workers at the Westminster Hospital had recently investigated the effects of other acridine derivatives. Several derivatives of 5-aminoacridine had shown a similar effect and work was continuing with two objects in view—to survey the series to determine whether any compounds would justify clinical trial, and to investigate the effects of those substances on the biochemistry of the cell in the hope of gaining more fundamental information.

MISS D. M. JONES (president of the National Association of Women Pharmacists) proposed a vote of thanks, which was seconded by Mr. H. R. Edgecombe (secretary of the South-west London Chemists' Association), to the Hospital authorities, the dean of the medical school, Mr. H. S. Grainger (chief pharmacist) and Dr. Wilkinson.



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## Salaries of Hospital Pharmacists

HOSPITAL pharmacists, at their conference in London last week, left their leaders in no doubt that the salary scales offered by the management side of the Pharmaceutical Whitley Council (Committee C) were unacceptable. The suggested points system, too, came in for heavy criticism from all sides. If the salary scales themselves had been high enough to allow room for adjustment of any anomalies, a considerably modified points system might have proved acceptable. As it was the offer was rejected *in toto*. The "talk of mass resignations" that so caught the fancy of the national Press should not, of course, be taken literally: if it came to the point, hospital pharmacists would not desert the patients who depend on them. They are, however, in a fighting mood, and their representatives, when they again confront the management side with the original claim, will be reinforced by the knowledge of complete support from the rank and file. If the management side again proves unwilling even to negotiate, an approach is to be made direct to the Minister.

It will generally be agreed that the salaries now being paid in hospitals are too low. On paper, retail employees appear equally poorly paid, but their actual salaries today are considerably above the N.J.I.C. scale. The Joint Negotiating Committee scales for hospital pharmacists, on the other hand, represent in most cases the salaries actually being offered. They were accepted, apparently meekly, a year

or so ago, not because they were then considered adequate, but because they were at least an advance on those previously in force. Hospital pharmacists were only beginners in the fine art of negotiation, and slight progress was better than no progress. Their hopes that the introduction of the National Health Service would see the beginnings of a "new deal" have proved unjustified, and the very modesty of hospital pharmacists' demands in the past has been used as an argument against their new claim. Members of the management side of the Whitley Council appear to have been even less amenable than their predecessors on the Negotiating Committee.

In their next approach the hospital pharmacists would be well advised to go armed with statistics to prove their claim that the salaries offered (and the apparent impossibility of any improvement) are making pharmacists avoid hospital work and even attracting pharmacists from the hospitals to other spheres. A shortage of hospital pharmacists may be more difficult to demonstrate than a shortage of pharmacists in retail. If a retail pharmacy has no qualified man it can no longer carry on as a pharmacy. A hospital with an understaffed pharmaceutical department may carry on but it cannot make its maximum contribution to the work of the hospital. The staff side representatives must be able to quote chapter and verse to prove that the hospital pharmaceutical service is suffering as a result of the salaries now being offered. Their task is to secure recognition of the value of the pharmacist's qualification, a task in which contractors and their qualified employees have a vital interest.

Some of the delegates at last week's conference seemed to imply that hospital pharmacy was a calling superior to that practised in shops. Retail and public-service branches of pharmacy are complementary. Both have a vital part to play in the National Health Service and both deserve adequate recognition and remuneration. It is to be hoped that the management side of the Whitley Council will realise that the staff representatives are putting forward, with the full support of their members, what they consider to be a fair estimate of the value of their services.

## Slippery Slope

ALREADY Nottingham Co-operative Chemists, Ltd., have followed Boots, Ltd. in providing in Nottingham a dispensing service until 10 p.m. each evening. Either their action is in response to a genuine need or it is not. If the need exists, then the machinery for dealing with it also exists, and demands for late-hour dispensing should be met in the manner provided for under the National Health Service Act.

If, however, there is no public demand for such late services—and no evidence is forthcoming, either in the correspondence columns of the Press or in reports of Executive Councils, that it has anywhere been voiced—then a halt should be called before contractors have progressed too far down a slippery slope that can only lead to the old, unhappy cut-throat competition.

That is one aspect. But unfortunately further point is given to our reference last week (p. 273) to the doubtful ethics of announcing any late service not sponsored by Executive Councils, by the form of the Press announcement issued by the Nottingham Co-op in giving details of its hours of opening. In this announcement the words

“All prescriptions—N.H.S. and private—dispensed while you wait. Drugs, medicines, dressings, appliances, etc.”

are added to the details of opening hours given. It is understood that action is being taken to have the whole matter ventilated in the House of Commons, while at Exeter recently a question put by Mr. R. J. B. Arnold to Mr. Hugh N. Linstead elicited the answer that the Pharmaceutical Society might, “if the trouble got out of hand,” make public its disapproval of anyone who did not conform to the wishes of the majority.

If there is one thing certain in the present confusion it is that matters cannot remain as they are. The suggestion has been imparted—unwittingly no doubt in intention, but inevitably in result—that a company and a co-operative society are providing professional services in some way superior to those of other chemists, or that other contractors have less regard for the public welfare. Private chemists cannot afford to be passive to such a suggestion.

## Liver Extracts

PUBLICITY given recently in Parliament and in the medical Press (see pp. 312 and 29) to an allegation that certain liver extracts available in Britain are inactive will, it is hoped, help to put a speedy end to a situation which, pharmaceutically and medically, is untenable. Dr. Wilkinson has emphasised sufficiently the necessity of testing clinically each batch of liver extract on several patients before issuing it, and there seems no excuse for avoiding this procedure, at least until another unequivocal form of assay is elaborated. This assay method may possibly materialise, as Dr. Lester-Smith and colleague suggested, as a combination of microbiological assay techniques and chromatography. At present, however, the microbiological assay technique involves almost a personal element, and is therefore difficult to describe so as to give results that are repeatable by other workers.

That liver extracts in Britain are less good than before the war may not be entirely the manufacturers' fault, for manufacturers are limited for the source of the extracts to the liver rejected from the abattoirs as unfit for human consumption. Whether or not the Ministers of Health and Food find it possible to make available for British manufacturers, anæmia patients and the export trade a better starting point for liver extracts, manufacturers and, if necessary, the Ministries, should take every possible measure to ensure that livers are frozen from the time they are removed from the carcass to the commencement of the extraction process. Increased allocation of hogs' stomachs to pharmaceutical manufacturers would ensure a greater supply of this medicament for the treatment of a disease fatal if neglected.

Though “blunderbuss” mixtures of folic acid and liver extract have been condemned, the types of liver preparation available are likely to continue as at present. A limited supply of the pure antipernicious-anæmia factor may be produced for certain liver-sensitive patients, though the high cost of production must be taken into account. Another foreseeable development is the establishment of an official standard for an injectable liver extract.

# HOSPITAL PHARMACISTS' CONFERENCE

## Original salary claim to be submitted again to Whitley Council

LEGATES representing hospital pharmacists from all parts of Great Britain at a conference in London on February 24 unanimously endorsed the action of the staff side of committee C of the Pharmaceutical Whitley Council in rejecting the salary scale offered by the management (see *C. & D.*, January 22, p. 106). The conference had been called jointly by the Guild of Public Pharmacists, the Association of Scientific Workers and the Federation of Health Service Employees, with Mr. D. Currie (Guild president) in the chair. It was decided to open negotiations on the basis of the original claim (see below) in the hope that the management side would make a revised offer "that would do justice to the professional claims of pharmacists." It is hoped, if necessary, to press the claim on the management side direct to the Minister of Health "in order to be satisfied that he is in fact aware of the extremely grave situation arising for all the hospitals in the National Health Service."

### Background to the Negotiations

The events that had led up to the rejection of the offer were described by Mr. CURRIE. The original claim of the staff side would have represented considerable increases over present salaries, he said, because it had not been found possible to negotiate adequate scales in the past. The management side's offer was considerably below the claim and represented an increase over present salaries of about 10 per cent. It was linked with a points system (based on the number of beds and out-patient attendances) that might cause considerable hardships to pharmacists in some hospitals. Pharmacists' salaries were considerably below those of opticians in hospital employment and of senior hospital administrative officers, but the management side had ruled that comparisons with other grades were inadmissible. Salaries offered compared unfavourably with those available to retail employee pharmacists and would not attract the best workers into hospitals. The attitude of the management side had been rigid, allowing no room for real negotiation.

MR. BEN SMITH (Association of Scientific Workers) said it would be a tactical mistake to refer the matter to arbitration. He did not regard as extravagant the pay-

ments being made to other professions in the service, but hospital pharmacists should have the same opportunity that the others had had to negotiate freely. Refusal of such an opportunity was inimical to the best interests of the National Health Service. The position of hospital pharmacists should be looked at as a problem of the service, and if necessary the help of the Pharmaceutical Society should be sought in an approach direct to the Minister. MR. J. RICHARDS (Confederation of Health Service Employees) said that no real negotiations had taken place on the Whitley Council. The staff side had been treated as a deputation. He suggested that the Minister of Health should be told that unless the claim was considered fairly hospital pharmacists would withdraw from hospital work and go into retail.

MR. J. B. HOUGH, South Wales, criticised the points system; there should be more grades, and duties other than purely pharmaceutical should be taken into account. Records of out-patient attendances would need to be strictly factual; at present they were not carefully recorded in many hospitals. MR. F. W. SAMBIDGE, Birmingham, also criticised the points scheme and suggested that the support of the British Medical Association should be sought in the salary claim.

### "General Practitioner of Science"

MR. W. TRILLWOOD, Oxford, said a hospital pharmacist was a "general practitioner of science" as well as a specialist in dispensing. Dispensing was only one part of his duties, and the number of beds and out-patient attendances did not provide a fair criterion. The amount of work was more closely related to the number of medical men on the staff. MR. A. PATTISON, Liverpool, said pharmacists were leaving hospital for retail practice in fairly large numbers. Hospital office staffs had increased by at least one third since the appointed day; there had been no comparable increases in pharmaceutical staffs.

MR. LLEWELLYN EDWARDS, London, said the points system was unfair to pharmacists in mental hospitals. A shortage of hospital pharmacists certainly did exist. MR. A. J. THORBURN suggested that figures should be prepared to demonstrate accurately the shortage of hospital pharmacists. The Guild should aim at 100 per cent.

membership and employ a permanent staff. MR. SMITH, Manchester, urged a direct approach to the Minister with the original claim; submission to arbitration would be dangerous. Since the appointed day there had been an increased demand for hospital pharmacists, a demand that had not been met. Mr. G. H. DARLING, Bristol, suggested as a basis for a new approach a scale based on that agreed for employees in the administrative, professional and technical division, but his suggestion received little support.

MISS L. N. FIRTH, Bradford, said the Yorkshire Branch of the Guild had agreed by fifteen votes to three to support, if necessary, a move for mass resignation provided that the support of the Pharmaceutical Society and other bodies could be obtained. MR. WHITE, London, thought that holders of the Diploma in Biochemical Analysis should be eligible for the higher-qualification allowance. The points system, he said, was an invitation to the hospital pharmacist to buy everything from wholesalers and make nothing in his department.

The conference then went into private session. A statement issued later disclosed the decision to reopen negotiations and said that the conference, representing 90 per cent. of the hospital pharmacists in Great Britain, had been unanimous in endorsing the rejection of the management side's offer. Previous "negotiations," said the statement, had in fact been "simply a dictation from the management side."

## MR. LINSTEAD AT EXETER

ADDRESSING a meeting of the Exeter Branch of the Pharmaceutical Society on February 25, Mr. P. M. Smith in the chair, Mr. H. N. Linstead said pharmacists should by now have some idea how the National Health Service was going to affect their businesses. It was significant that payments for the pharmaceutical service were about £15 millions, against an estimated £8 millions. The retail chemist was part of the life of his locality and provided he could give a service to satisfy both public and doctors the expense of health centres would never be justified. Mr. Linstead thought the Minister of Health would be foolish to try to restrict what doctors might prescribe. The Treasury did not appear to have been consulted when the Ministry left the drawing up of the National Formulary to the Society and the British Medical Association. The export of proprietaries, which the Board

An increasing difficulty in recruiting pharmacists to hospitals was stated to be largely due to the "completely inadequate salaries" and the apparent absence of a hope for improvement. Opticians engaged full time in the service, it was stated, commenced at the age of twenty-four at salary of £500 rising to £800, while the salary range of an optician in charge, four others was £900-1,200. The hospital pharmacist, whose training was longer, received considerably less.

### Staff Side's Claim

The claim submitted by the staff side was as follows:—

CHIEF PHARMACIST: Total staff of nine or more, £1,050 x 50—£1,300; total staff of seven or eight, £1,000 x 50—£1,250; six, £950 x 50—£1,200; five, £900 x 50—£1,100; four, £850 x 50—£1,050; three, £800 x 50—£1,000; two, £750 x 50—£950.

PHARMACIST - IN - CHARGE (single-handed): (a) Full-time service in charge, £650 x 40—£850; part-time service, assistant at another hospital, £600 x 40—£760.

DEPUTY CHIEF PHARMACIST: Total staff of eight or more, £725 x 30—£875; total staff six or seven, £680 x 30—£830; five or six, £650 x 30—£800.

SENIOR PHARMACIST: Total staff three, or in charge of a special section, £600 x 30—£750.

PHARMACIST: £450 x 50—£600 x 25—£650.

of Trade wished to encourage, depend largely on demand and production at home. Although N.H.S. might have effected some slight reduction in over-the-counter trade, it provided a safeguard for the pharmacist in the event of a general trade slump.

It was disturbing, continued Mr. Linstead, that in some parts of the country difficulties had arisen over the rota system. Pharmacists must at all costs stick together. If a late service was required should be provided by collaboration, not competition. MR. R. J. B. ARNOLD, pointing out that the machinery for providing rotas was already in existence, suggested that the Society should make public disapproval of anyone who did not conform to the wishes of the majority. Mr. Linstead agreed that this might be done if the trouble got out of hand. MR. A. MILES thought expenditure might be

ed if doctors were informed of the  
s of standard packages of proprietaries.  
Mr. Linstead thought the suggestion  
practicable, as the Ministry did not  
nt to encourage such prescribing. Part  
the drop in counter takings, said Mr.  
es, was because the pharmacist had no  
e to look after his former "private"  
ient, who now brought in his N.H.S.  
scription. MESSRS. H. E. RIHLL and  
W. H. PAYNE, both pharmacists in

"single pharmacy" rural areas, said they  
had agreed to give a rota service of one  
hour each evening but had not been ap-  
proached when payment for it had been  
cut by half. Mr. Payne thought that the  
co-operation of the managers of company  
shops should be enlisted. In reply to Mr.  
J. C. JESSOP, Mr. Linstead said the rota  
system was working well in most parts of  
the country; the demand for a late ser-  
vice was really very small.

## WEST HAM ASSOCIATION DINNER

L. H. CLEMENT SHAW (president of the  
Pharmaceutical Society) was the guest of  
honour at the annual dinner and dance  
of the West Ham Association of Pharma-  
cists, held in London on February 24. The  
o guests were welcomed by Mr. and  
Mrs. Shaw and by Mr. G. P. Bowen (pre-  
sident of the Association) and Mrs. Bowen.  
An appeal for the Society's Benevolent  
Fund made by Mr. JOSEPH REED resulted  
in a collection of £21 and another £9 was  
added for the fund during the evening. Pro-  
posing "The Society," Mr. STANLEY ROBIN-  
SON (vice-president of the Association) re-  
called the changes that had taken place  
in the Society's affairs since he qualified  
in 1923. Membership had then been volun-  
tary, and three-quarters of the members  
had been proprietors. Now membership  
is compulsory and more than half those  
in the register were retail employees or  
hospital pharmacists. The Society had ex-  
tended its influence and power in many  
ways. He referred to Mr. Shaw as "the  
man who gave us Birdsgrove House."

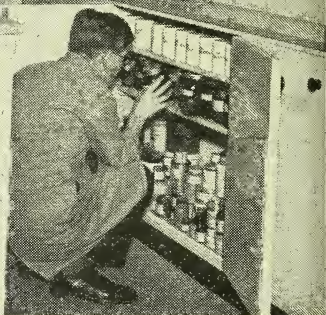
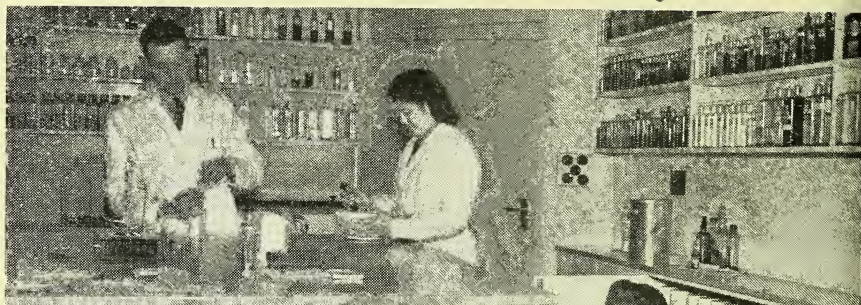
Replying, Mr. SHAW said that wherever  
he went he saw signs of a shortage of phar-  
maceutical man-power, and the Society was  
appointing a statistician to collect exact  
information on the situation. His personal  
view was that no particular set of techni-  
cians should be given recognition. If such  
people were given authority to dispense  
under the supervision of a pharmacist, a  
future Minister of Health might claim that  
they could equally well dispense under the  
supervision of doctors. Pharmacists' train-  
ing had always been above requirements  
and their remuneration below requirements,  
and now the National Health Service had  
even taken the status for which they had  
long striven. Their work was increas-  
ingly in the dispensary, not behind the  
counter. The danger of dispensaries in  
health centres could be avoided if retail  
pharmacists gave a satisfactory service.  
Mr. Shaw concluded by saying that the

need for supporting the Benevolent Fund  
and the Birdsgrove House Fund continued  
despite the new National Insurance; the  
work being carried on at the Society's con-  
valescent home was of great value.

Mr. H. STANLEY CLARKE, J.P. (chair-  
man, West Ham Executive Council) pro-  
posing "The Association" thanked West  
Ham Chemists for the way they were help-  
ing to make the National Health Service  
a success. In particular he appreciated  
their co-operation in extending the evening  
service to meet the needs of local doctors.  
He thought pharmacists had had the worst  
deal of any of the professions engaged in  
the service. Replying, Mr. G. P. BOWEN  
(Association president), said members of  
the Association would continue to do their  
best; they would stand or fall by the ser-  
vice they gave to the public. He thanked  
the many manufacturers and wholesalers  
who had supported the dinner. "The  
Ladies" was proposed by Dr. T. W. Forster  
and Mrs. O. C. Wombwell replied.

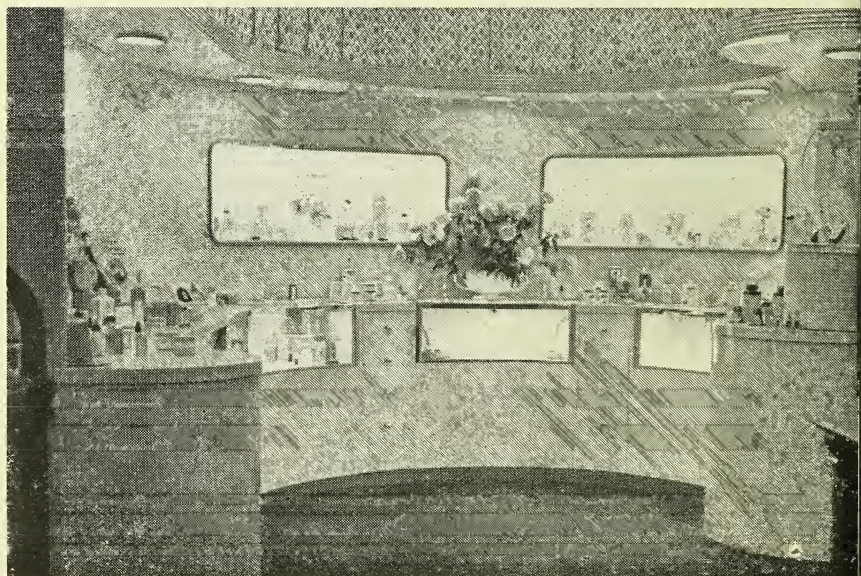
## A PHARMACIST'S ANTHOLOGY

ONE day, when he [Crab, an apothecary]  
honoured me with the names of ignorant  
whelp, and lazy ragamuffin—I boldly re-  
plied, I was neither ignorant nor lazy,  
since I both understood, and performed  
my business as well as he could do for his  
soul . . . He gave tokens of great amaze-  
ment at this assurance of mine, and shook  
his cane over my head, regarding me all  
the time with a countenance truly dia-  
bolical. Although I was terribly startled  
at his menacing looks and posture, I yet  
had reflection enough left, to convince  
me I had gone too far to retract . . . I  
therefore snatched up the pestle of a mor-  
tar, and swore, if he offered to strike me  
without a cause, I should see whether his  
scull or my weapon was the hardest.—  
*From "The Adventures of Roderick  
Random," by Tobias Smollett.*



### TRANSFER OF DISPENSARY TO BASEMENT MAKES MANY IMPROVEMENTS POSSIBLE

*Dispensing is done at a central bench. Drug rounds are distributed in two sections on longer walls. Finish is in chrome-plated cellulose, with beechwood bench tops. Inset: The new room readily accommodates a refrigerator. Upstairs in the shop the new toilet department (shown below) occupies former dispensary.*



## A NEW DISPENSARY AT STIRLING

WHEN it became apparent that the then proposed National Health Service was going to become a reality, J. H. Skinner, Ltd., Stirling, commenced planning in preparation. It was obvious that the already busy dispensary, situated at the rear of the shop, and accommodating three dispensers, would have to be extended to cope with normal development,

alone the considerable increase in dispensing likely to result from a comprehensive health scheme." Fortunately, without further reducing the space available for retail sales, there was no room for enlarging the present dispensary, so attention was turned to the basement, at that time being used as a store. The space available was approximately 20 ft. by 15 ft. It was decided to construct a large central work bench occupying most of the floor space, with shelves and cupboards built along the walls. The first stage in construction was the supply of services — gas, electricity, water (including some new drains). That stage

completed, a new floor was provided, and after the floor a new ceiling was installed.

### Materials and Finish

The department was then laid out as illustrated. The wall fixtures are backed with plastic sheeting. Apart from the teakwood benchtops, the entire dispensary is finished in cream cellulose. The light colour shows up any dirt at once and a wipe from a damp cloth removes it from the cellulosed surface. Below the wooden shelves are cupboards, with tops wide enough to be used as a working space in an emergency. Communication with the

"outside world" is by means of two telephones, one an extension from the company's own switchboard, where incoming calls of a medical nature are sorted out and passed to the dispensary, and the second a direct line between the dispensary and the assistant behind the counter. Prescriptions received in the shop are passed to the dispensary by means of a lift,

which also returns the dispensed prescriptions to the retail counter. A major problem encountered was the possibility that, under "load shedding" or a power failure, the dispensary would be blacked out; to overcome this a system was installed under which, in the event of a mains failure, a switch automatically brings into use a secondary lighting system fed from batteries. The secondary system is in turn automatically cut off when mains power is again in operation. The arrangement of drugs in the dispensary is alphabetical, by classes. On the two longer walls the drugs in most frequent use are stored in duplicate

ranks to save space to the dispenser. The ground-floor space that became vacant by transfer of the dispensary was used to accommodate a new toilet department, an illustration of which is included among those given on the opposite page.

**Museum Specimens Wanted.** — The Mahatma Gandhi Memorial Medical College, Indore, C.I., is requesting gifts of drugs to establish a materia medica museum in its pharmacology department. Offers of small quantities of official and non-official drugs should be addressed to the Principal, Dr. B. C. Bose.



Above: D.D.A. cupboard and desk.  
Below: Lift to shop counter.

## POTENCY OF LIVER EXTRACTS

IN the Oliver-Sharpey lectures to the Royal College of Physicians of London, as reported in the "Lancet," February 12, 19 and 26, Dr. J. F. WILKINSON made observations about anti-anæmia preparations that call for the close attention of pharmacists. Though liver extracts "properly administered" are one of the few weapons against pernicious anæmia—a disease invariably fatal if untreated—British liver preparations have, in the lecturer's opinion, been less potent during the past few years than were the corresponding pre-war preparations. Part of the reason he suggested, has been the poor quality of the starting material — "pharmaceutical" livers unfit for human consumption (see also p. 297). Extracts made from such livers would not be able to compete, he stated, as an export to any country in which sufficient fresh livers were available for making the extracts. The most potent extracts were made from fresh livers refrigerated or treated immediately after removal from the carcase, but "pharmaceutical" livers failed to receive the best treatment while awaiting disposal. As a result, not only were present day liver extracts less potent, but it was probable that toxic substances, developing during autolysis, might be extracted from diseased livers. That possibility was illustrated by the increased quantities of inactive total solids in the extracts, which might be associated with a greater frequency of reactions and pain after injection. He pointed out the absolute necessity of testing clinically every batch of extracts, especially the highly purified types such as those of Dakin and West.

### Value of Hog's Stomach

There was much evidence to suggest that the less highly-purified preparations were better for the treatment of pernicious and other megalocytic anæmias. The administration of liver extracts by mouth, however, was wasteful, and not usually indicated except in liver-sensitive patients. For patients with subacute combined degeneration of the cord, hog's stomach given orally produced more reliable results than liver. There was difficulty, however, in obtaining adequate supplies, as pigs' stomachs were being diverted apparently to the manufacture of pies and sausages.

Although liver-refractory pernicious anæmias were being reported in surpris-

ingly high numbers, the lecturer thought that those cases were really refractory inactive highly-purified liver preparations. Sometimes liver extracts were given in too small a dosage—perhaps a consequence of claims for efficacy of minimal amounts of particular commercial liver extracts. It was clear, he said, that certain highly purified liver preparations were not being tested adequately before issue or that on certain batches were being tested, or that some accessory factor had been removed. It was unlikely that the inactive livers had lost activity on storage. He called for the testing of liver extracts to be done under rigidly controlled conditions, using at least two or three patients to eliminate errors due to spontaneous remissions and differences in sensitivity, etc.

### Need for Clinical Tests

The need for clinical testing of liver extracts was further stressed ("Lancet" February 19, p. 325) by Lester-Smith and Cuthbertson who, however, pointed out the advances that were being made in microbiological and chromatographic assays of the anti-pernicious anæmia factor. They expressed a hope that clinical tests might eventually be replaced by a combination of the two methods.

Dr. Wilkinson pointed out that folic acid was contra-indicated in cases of pernicious anæmia (as it seemed that the drug had a "specific effect" in producing spinal cord degeneration). There was no justification for the manufacture of "blonde" mixtures of folic acid with liver stomach and other constituents, which only formed misleading and dangerous therapy for pernicious anæmia.

## ISOTOPE DELIVERIES

THE atomic pile (B.E.P.O.), at the Atomic Energy Research Establishment, Harwell nr. Didcot, Berks, commenced producing radioactive isotopes for use in medical and other work on February 28. When operating at full power later in the year the plant will be able to cope with the estimated increased demand for isotopes in Britain, and to produce supplies for export. First deliveries will be in March. The materials will be twenty times more active than those from the smaller plant, which has been producing isotopes since September 1947. Laboratories requiring supplies should communicate with the Establishment's Isotopes Information Office.

# SIMPLIFIED BOOK-KEEPING

By S. Howard Withey, F.Comm.A.

## 2. Recording Takings and Bank Transactions

THE amount of capital invested in a chemist's business will depend largely on the volume of cash and credit. It is expected to transact and on the basis of credit sales to total turnover. At first, the returns do not as a rule cover outlay on shop fittings, equipment, etc., and may not even cover management and working expenses. Consequently it is advisable to create a fund that will enable sufficient credits to be granted to regular customers, stocks to be replenished from time to time, wages to be paid, and accounts of suppliers to be settled within stipulated or recognised periods. There should too much money be locked up in stagnant stocks or in goods for which there may be very little call. Provision should be made for obtaining capital on reasonable terms as business expands, and proper records should be made of all trading transactions so that book debts can be controlled, expenses kept down, discounts and rebates obtained, and a reliable balance-sheet drawn up at any time.

Some chemists enter their income and expenditure into a book having only a single money column on each side. A more general form of cash book consists of two columns, but, apart from an analysis book having numerous columns for the systematic classification of both receipts and payments under definite heads, the three-columned book is usually the most convenient. The seller's assets are constantly changing from stock to cash, and although the cash takings must appear on the debit or receipts side of the cash book, the individual items may be entered in a cash sales or takings book and the daily or weekly totals transferred to the cash book. If the chemist makes a strict rule to pay into the bank, without exception, all cash takings and cheques received, a "cash" column on the credit or payments side of the cash book is not needed, as all the payments made by him will be in the form of cheques drawn on his current account at the bank. Where

an analysis book is used, receipts can be classified under three main headings, viz.:—Ready money, other receipts, and cheques drawn. These columns, with or without a "total" column, will appear on the left-hand side, the other side being used for recording the various payments. Each amount received from a credit customer, whether in the form of a cheque, notes, postal-order or coin, should be entered among the other receipts column, giving the date and name. Upon paying cash to bank, the amount should be recorded in a separate column provided on the payments side.

January 31, 1949

Balance at bank, as per bank ledger abstract ...		£269 17 2
Less cheques not yet presented, viz.:—		
Metropolitan Drug Houses ... ..	£21 12 9	
London Wholesalers, Ltd. ... ..	£24 19 4	
Kolcure, Ltd. ... ..	£17 10 6	
		£64 2 7
Balance as per Cash Book ... ..		£205 14 7

As the items entered in the "Paid to Bank" column will correspond with those shown on the deposits side of the chemist's pass book or bank-ledger abstract, while the items appearing in the "Cheques Drawn" column will agree with the amounts on the withdrawals side, it is possible to reconcile the cash book balance at monthly intervals, providing all bank charges, interest items, etc., have been properly dealt with. A typical form of bank reconciliation statement is given above.

The use of analysis book enables the cash payments to be grouped under a variety of headings, and economy to be exercised without adversely affecting the efficiency of sales and service. Moreover, instead of being obliged to compile numerous ledger accounts, a summary of the expenditure can be made out at the end of each month, and an annual summary prepared for audit purposes. The payments may be classified under such headings as Paid to Bank; Wages; Stock Bought; Rent and Rates; Taxes and Insurance; Office Expenses; Private Drawings; Capital Outlay; Sundry Trade Expenses, etc. The practice of keeping back some of the takings to defray shop expenses, or to satisfy the claims of local creditors, cannot be recommended, as it provides loopholes for dishonesty and rarely results in good book-keeping.

Where possible, a cash summary sheet should be made out each week, showing, on the left-hand or receipts side, the balance brought forward from the previous week, daily takings, amounts drawn from bank, and other specified receipts, and on the right-hand, or payments, side the various sums paid to bank, cost prices of trade purchases, management and working expenses, drawings of the chemist, all pri-

vate payments, and any other specific items. By calculating the percentages return, and inserting these percentages against the respective items in a column ruled for that purpose, all "ups and downs" are revealed before it is too late and the chemist is able to ensure that margin of net profit bears a reasonable relation to turnover and to the invested capital.

## PURCHASE TAX NOTICES

### Recent Tax Rulings

The Customs and Excise authorities have decided that liquid soap made from refined and deodorised oils and fats is chargeable at  $23\frac{1}{2}$  per cent. in all circumstances but that liquid soap is not chargeable if (a) made from crude oils or fats and not put up as toilet soap, or (b) not made from refined and deodorised oils and fats and got up and marketed exclusively as a household cleanser or marketed with no claims whatever. The Commissioners also point out that the only water softeners exempt from tax are those made to specification for the supply of treated water at a specified degree of hardness for non-domestic use.

### Tax on Sale-or-return Transactions

The Customs authorities also issue a reminder that, where goods are supplied on a "sale or return" terms (or any other terms whereby, though they pass into the possession or custody of the retailer, they remain the property of the registered supplier until certain specified events happen) liability to purchase tax arises under the law when the property in the goods passes to the retailer (normally, for example, when the retailer re-sells the goods, or decides for other reasons to buy them outright, or failing that, on the expiry of any agreed time limit). But registered traders who supply goods on such terms are responsible for correctly accounting for the tax due at the rate in force when the property in the goods passes to the retailer, and for the accuracy of their periodical tax returns. They are responsible for obtaining the necessary information for this purpose from retailers; "and they will be advised in their own interests to require returns at suitable periods of the quantities of goods re-sold or in which the property has otherwise passed to the retailer, based where necessary on actual stocktaking of the goods concerned." Such returns should, as a minimum requirement, be made up

to the last day of each quarter and to the time of any change in the rate of tax. Registered suppliers may deem it wise to obtain even more frequent returns, in order to give full and up-to-date information about the tax position as it affects the goods.

## CORRESPONDENCE

### Late Night Dispensing

SIR,—I have been interested in the question of late dispensing under the National Health Service as dealt with in your editorial last week (p. 273), and would draw your attention to an announcement by Nottingham Co-op Society, Ltd., in the February 26 issue of the "Nottingham Journal." This just shows how right you were in your editorial comment.

GOOSE FAIR.

SIR,—The Ashford rota arrangements (see p. 273), apart from showing up a rather "unsporting" attitude of a multiple firm, also illustrate the need for employing pharmacists and all Health Service employees to unite and stand against unnecessary return to pre-war working hours. A five-day week, with a Saturday rota, is not an impossibility, if everybody played fair.

EX MULTI.

### Liverpool School of Pharmacy

SIR,—1949 marks the centenary of pharmaceutical education in Liverpool, and the Liverpool School of Pharmacy has played no small part in it. This institution is the oldest provincial pharmaceutical school in the country, and also the only private one left. We feel, therefore, that the year should be marked by some function held in honour of its principal and staff. We any old students interested please attend a meeting to be held at the school, Blackburne Place, Liverpool, at 8 p.m., on March 16?

E. ASHTON HEBRON.

New Ferry, Ches.

T. EDWARDS.

# STOCK EXCHANGE PRICES

Quotations are the average for the days stated.

unit unless otherwise stated	Jan. 28 1949	Feb. 28 1949	£1 unit unless otherwise stated	Jan. 28 1949	Feb. 28 1949
s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Bright & Wilson, ord., 5s. ...	31 0	31 0	Idris, "A" ord. ...	38 9	38 9
Ben & Hanburys, prefd. ord.	32 6	32 6	Ilford, ord. stock, 5s. ...	29 4½	29 4½
5% cum. ...	9 6	9 3	Imperial Chemical Industries, ord.	48 9	46 9
Rubber Chemical, ord., 2s. ...	25 0	25 0	Imperial Chemical Industries, cum.	36 9	36 6
Rubber Chemical, 5% cum. pref.	8 9	8 9	pref. stock ...	5 3	5 0
Cotts Pharmacies, ord. stock, 5s.	28 9	26 3	International Sponge Importers.	15 0	15 0
oro, ord. stock, 5s. ...	17 9	16 10½	ord. stock, 5s. ...	1 4½	1 4½
echam Group, defd., 2s. 6d. ...	21 10½	21 3	Kent, G. B., & Sons, 5% cum.	23 6	21 3
echam Maclean Holdings 4%	31 0	31 0	ptpg. pref., 12s. 6d. ...	21 3	21 3
red. cum. pref. ...	37 3	37 3	Kershaw, A., & Sons, ord., 1s. ...	50 0	47 6
ake, Roberts, ord., 5s. ...	57 0	54 6	Kleeman, O. & M., ord. stock, 1s.	30 0	30 0
ots (Eastern) "A" pfd. 6% cum.	63 9	55 7½	Laporte Chemicals, ord. stock ...	1 9	1 9
ots (Northern) "A" pfd. 6% cum.	6 6	6 6	Lever Brothers & Unilever, ord.	290 0	270 0
ots (Western) "A" pfd. ord.	22 0	21 9	Lewis & Burrows, ord. stock ...	21 3	21 3
(7% non-cum.) ...	8 6	8 6	Lewis & Peat, ord., 1s. ...	7 6	7 6
ots Pure Drug, ord., 5s. ...	1 0	1 0	Liebig's Extract of Meat, ord., £5	20 0	20 0
rax Consold., defd. ord. stock	23 0	21 0	Macleans, 4% red. cum. pref. ...	17 9½	17 9½
ritish Alkaloids, ord., 1s. ...	7 0	6 9	Mellin's Food, 6% cum. pref. ...	62 6	60 0
ritish Chemicals & Biologicals,	96%	96%	Milton Antiseptic, ord., 10s. ...	132%	132%
4% cum. red. pref. ...	102 6	102 6	Mono Containers, 5s. ...	4 3	4 3
ritish Drug Houses, ord., 5s. ...	120 0	115 0	Monsanto Chemicals, ord., 5s. ...	115 0	115 0
ritish Emulsifiers, 2s. ...	28 9	28 9	Pears, A. & F., 5% deb. stock.	22 6	23 9
ritish Glues & Chem., ord., 4s.	82 6	82 6	irred. ...	24 9	34 6
ritish Industrial Plastics, ord., 2s.	21 3	21 10½	Potter & Clarke, ord., 1s. ...	26 3	26 3
ritish Optical & Prec. Eng., 5%	36 10	36 10½	Reckitt & Sons, ord. stock ...	22 9	23 9
ritish Oxygen Co., ord. stock ...	2 9½	2 9½	Rolls Razor, prefd. ord., 10s. ...	22 9	23 9
ritish Xylonite Co., ord. stock	14 3	13 0	Sangers, ord. stock, 5s. ...	22 9	23 9
art, Boulton & Haywood, ord.	26 3	26 3	"Sanitas" Trust, ord., 10s. ...	22 9	23 9
ash (W. J.), & Co., ord. ...	18 0	16 0	Savory & Moore, 5½% 1st red.	22 9	23 9
amwal, ord. ...	29 1½	28 1½	cum. pref. stock ...	22 9	23 9
opper, McD. & Robertson, ord.	4 10½	4 7½	Sherley, A. F., & Co., 8% cum	22 6	22 6
ow & Gate, ord. stock, 1s. ...	76 6	73 3	prefd. ord. ...	19 0	19 0
ow, P. B., & Co., ord. stock, 4s.	9 3	9 6	ord., 4s. ...	16 0	16 0
rosfield, J., & Sons, 5% cum.	25 0	25 0	South African Druggists, ord., 5s.	43 9	40 0
pre-pref. ...	4 9	4 9	Southalls (Birmingham), stock, 5s	29 4½	29 4½
ussons Sons & Co., ord. stock, 2s.	43 1½	43 1½	Sternol, 8% cum. ptpg. prefd.	15 7	15 7½
stillers, ord. stock, 4s. ...	30 0	30 0	ord., 10s. ...	25 0	25 0
ubarry Perfumery Co., ord., 1s.	59 0	60 6	Stevenson & Howell, ord. stock, 5s.	29 4½	29 4½
unlop Rubber Co., ord. stock ...	24 3	24 3	Taylor, Cash Chemists, London,	29 4½	29 4½
ergen Foods Co., ord., 2s. ...	4 9	4 9	6% cum. pref. ...	29 4½	30 0
no Proprietaries, 5½% cum. pref.	14 6	13 9	Taylor, Cash Chemists, Trust,	32 6	32 6
acryl, stock, 2s. ...	30 0	30 0	6% cum. pref. ...	77 6	76 3
ans Medical Supplies, ord. stock	59 0	60 6	Taylor Drug Co., 7% "A"	40 0	39 4½
eld, J. C. & J., ord., 10s. ...	24 3	24 3	cum. pref. ...	72 6	72 6
isons, ord. stock ...	4 9	4 6	United Glass Bottle, ord. stock ...	10 6	10 6
isons, 4½% cum. pref. ...	20 3½	20 3½	Veno Drug Co., 12% cum. prefd.	4 10½	5 0
alloway, P. H., ord., 2s. ...	26 3	26 3	ord. ...	16 10½	16 10½
illette Safety Razor Co. shares	14 6	13 9	Virol, ord. ...	40 0	38 9
(no par value) ...	28 9	31 3	Viscose Development Co., ord.	38 9	38 9
laxo Laboratories, ord. stock, 10s.	30 0	30 0	stock, 5s. ...	31 3	31 3
laxo Laboratories, 8% cum.	57 6	57 6	Vitamins, 1s. ...	57 6	57 6
prefd. ord. stock, 10s. ...	26 3	26 3	Wesley, Harold, 5s. ...	57 6	57 6
ossage, W., & Sons, 5% 1st.	14 6	13 9	Whites (Timothy) & Taylors, ord.,	57 6	57 6
cum. pref. ...	30 0	30 0	5s. ...	57 6	57 6
reiff-Chemicals Holdings, ord., 5s.	28 9	31 3	Whites (Timothy) & Taylors,	57 6	57 6
riffiths Hughes Proprietaries, ord.	30 0	30 0	7½% cum. pref. ...	57 6	57 6
uiterman, S., ord. stock, 2s. ...	80 0	80 0	Wright, Layman & Umney, 7%	57 6	57 6
ampshire, F. W., stock, 5s. ...	29 4½	29 4½	cum. pref. ...	57 6	57 6
orlicks, stock, 5s. ...	26 3	26 3	Yardley & Co., ord., 4s. ...	57 6	57 6
ovenden, R., & Sons, 7% cum.	26 3	26 3	Yardley & Co., "A" ord., 4s. ...	57 6	57 6
"A" pref. ...	26 3	26 3			

## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

### 28 Essex Street, W.C.2, Mar. 2

A STEADY export inquiry is being received in the PHARMACEUTICAL and FINE CHEMICALS markets, but home trade business has been restricted in volume with prices generally unchanged on the week. Makers of CALCIFEROL have, however, announced a cut in prices of about 1s. 6d. per gm. The new rates, from March 1, are from 7s. 6d. to 7s. 9d. per gm. according to quantity. It is understood that the supply position of AMIDOPYRIN has improved; French material of B.P. quality, for immediate delivery, is quoted at from 40s. to 42s. 6d. per lb. SANTONIN is in tight supply, as makers are experiencing a shortage of raw material and demand for the product is heavy. In CRUDE DRUGS markets, inquiries from Western Germany, to which reference was made last week (p. 284) created a firm market for ERGOT. Holders of CASCARA SAGRADA are anxious to make headway and the market is tending easier. A good export business has been done in BUCHU LEAVES, ovals, at former prices. Matto Grosso IPECACUANHA is offering from origin at 25s. per lb., c.i.f., but inquiry is lacking. There has been a good request for No. 3 Tinnevely SENNA LEAVES. MENTHOL is easier on the spot. Activity in SPICES has been small. African GINGER continues firm. Prices of TURMERIC are lower at origin. Only a small inquiry has been received for ESSENTIAL OILS and prices are without material alteration. PALMAROSA OIL is dearer for shipment. EUCALYPTUS continues weak in the absence of business.

As from March 1, prices of RESIN, TURPENTINE and PINE OIL sold through the agency of the United Kingdom Naval Stores Association, Ltd., are reduced in respect of the majority of grades, owing to a reduction in producers' prices.

### U.S. Drug and Chemical Report New York, February 25

THE principal feature of the PHARMACEUTICAL and FINE CHEMICAL markets over the past week was an advance in makers' price schedules for SILVER SALTS. Prices were advanced twice during the period, NITRATE in lots of 2,500 oz. going up from 44½ cents an ounce to 45½ cents; CYANIDE was advanced from 64½ cents per oz. to 65½ cents. The increases reflected a recent announcement of higher basic metal costs. CALAMINE became cheaper during the week, bulk lots costing 27 cents per lb. against 29 cents previously. A lower export price for BUTYL ALCOHOL and BUTYL ACETATE of 17½ cents per lb., f.a.s., was being quoted in certain quarters compared with the producers' list price of 19 cents per lb. less 5 per cent., f.a.s. Lack of

demand for MENTHOL resulted in quotation being reduced 10 cents from the \$8.75 per lb. inside price of last week. Trade circles say that the market will drop to about \$7.50 per lb. on the present basis of operations. Very quiet conditions prevailed in the CRUDE DRUG, SPICE and GUM markets here over the past week though a certain amount of activity was reported in condimental articles. BLACK PEPPER advanced four cents per lb. to 67-68 cents at Madagascar CLOVES were one cent per lb. higher at 16-18 cents. Consumers still show little interest despite the tighter restrictions imposed by the Food and Drug Administration in regard to the quality of imported material and the fact that dealer stocks of many items are at very low levels.

There have been very few price reductions in ESSENTIAL OILS over the past week, although activity did not show any material increase over the general level which has prevailed for many months.

### Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	Rate
*Alexandria ...	Piastres to £	97½—97½
Amsterdam ...	Florins to £	10.68—10.7
*Bombay ...	Shillings to rupee	1-5½—1-6
Brussels ...	Francs to £	176½—176
Copenhagen ...	Kroner to £	19.32—19.4
Dutch East Indies	Florins to £	10.68—10.7
Dutch West Indies	Florins to £	7.59—7.61
*Hong Kong ...	Shillings to \$	1-2½—1-3
Lisbon ...	Escudos to £	99.80—100.
Montreal ...	Dollars to £	4.02½—4.03
New York ...	Dollars to £	4.02½—4.03
Oslo ...	Kroner to £	19.98—20.1
† Paris ...	Francs to £	1,061—1,061
Rio de Janeiro ...	Cruz to £	75.4416
*Singapore ...	Shillings to \$	2-4—2-4½
Stockholm ...	Kronor to £	14.47—14.5
Zurich ...	Francs to £	17.34—17.5

\* Free market rates

† Forward francs 1 fr. either side par per month

### Pharmaceutical Chemicals

ARECOLINE HYDROBROMIDE.—Quotations are from 44s. 9d. per oz.

ASPIRIN. — Home-trade prices are unchanged. Makers' quotation for POWDER is 3s. 5½d. per lb. in 10-cwt. lots and 3s. 7d. per lb. in 1-cwt. lots. Scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. are: .4s. 6d. (1-lb. containers); 4s. 5 (2-lb.); 4s. 4½d. (4-lb.); 4s. 3½d. (7-lb.); 4s. 3d. (14-lb.); 4s. 2d. (28-lb.). Net 6 month. Rates per 1,000 for bulk supply of TABLETS are: Under 5,000, 3s. 9d.; 5,000 and over, 3s. 7d.; 10,000, 3s. 6d.; 25,000, 3s. 4d.; 50,000, 3s. 3d.; 100,000,

2d.; 250,000, 3s. 1½d.; 500,000, 3s. 1d.; 1,000,000, 3s.

**CALCIFEROL.**—1 kilo is quoted at 7s. 6d. r gm.; 500 gm., 7s. 7d. per gm.; 100 gm., 8d.; less than 100 gm., 7s. 9d. The foregoing prices are for material supplied ampoules of capacity 5 gm. or more.

**CHLORAMINE.**—B.P. grade is from 2s. 5d. 2s. 9d. per lb. and 98 per cent. technical 2s. 2½d. to 2s. 5d. per lb., according to antity.

**EPHEDRINE.**—Makers' rates per oz. are follows:—**ALKALOID:** 1 oz., 11s. 9d.; 16 oz., 11s. 6d.; 25 oz., 11s. 3d.; 50 oz., 11s.; 100 oz., 10s. 9d. **HYDROCHLORIDE and SULPHATE:** 1 oz., 8s. 3d.; 16 oz. 8s.; 25 oz., 7s. 9d.; 50 oz., 7s. 6d.; 100 oz., 7s. 3d. sorted contracts may be booked for quantities of not less than 100 oz. over six months. Containers: 50 oz., or more, free. -oz. lots carriage paid.

**HEXAMINE.**—B.P. is quoted at from 8d. to 2s. per lb., as to quantity.

**HOMATROPINE.**—Makers' prices per oz. are as follows (prices per gm. in brackets):—**ALKALOID.**—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 10 oz., 87s. 6d. (4s.). **HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.**—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

**ICHTHAMMOL.**—Prices are from 3s. 8d. 4s. 6d. per lb., according to quantity and ck. Imported material is in limited supply.

**LACTOSE.**—English is quoted at from 0s. per cwt.; Dutch material for prompt shipment is offered at 1s. 7½d. per lb., added, duty paid value.

**PARALDEHYDE.**—Rates for B.P. material are as follows: 5 carboys, 1s. 5d. per lb.; carboy, 1s. 6d.; 24 winchesters, 1s. 7½d.; 1s. 8½d.; 6, 1s. 10d.; 3, 1s. 11d. per lb.

**PILOCARPINE.**—Makers' prices are unchanged. Rates per oz. are: **ALKALOID.**—oz., 36s. 9d.; 4 oz., 35s. 3d.; 25 oz., 34s. **HYDROCHLORIDE.**—1 oz., 34s. 9d.; 4 oz., 3s. 3d.; 25 oz., 32s. **NITRATE.**—1 oz., 3s. 31.; 4 oz., 31s. 9d.; 25 oz., 30s. 6d.

**THEOBROMINE.**—Prices per lb. are: **ALKALOID.** from 34s. 6d. to 38s. 6d.; **CALCIUM SALICYLATE and SODIUM SALICYLATE.** 1s. to 24s.; **SODIUM BENZOATE,** 22s. 6d. to 3s. 6d. Containers: 14-lb. tins and upwards free and non-returnable; 1-cwt. (50-kilo) kees and cases, free for export, at home trade charged extra (returnable). Carriage paid on net invoice value of not less than £20. Assorted contracts for the above preparations (excluding theobromine and sodium benzoate) and the principal salts may be booked for not less than 5 wt. over six months.

**THYMOL, R.P.**—Makers' prices are from 9s. 9d. to 18s. 6d. per lb., as to quantity.

**ZINC OXIDE.**—Quantities of 1 ton are quoted at £110 15s. per ton; 3 cwt. and over, £111 15s.; under 3 cwt., £113 5s.

## Crude Drugs

**ACONITE.**—Steady. Indian, on the spot, is quoted at 275s. per cwt.; *napellus*, offered at 3s. 10½d. to 4s. 3d., duty paid.

**AGAR.**—Kobé No. 1 strip on spot is quoted at 15s. 6d. to 16s. per lb.; Yokohama strip is offered at from 14s. 6d. per lb., duty paid. South African powder, in tins in cases, quoted at 20s. per lb., spot.

**ALOES.**—Prime Cape on spot is offered at around 110s. to 115s. per cwt.; shipment, 100s. to 105s. per cwt., c.i.f. Curaçao is offered at from 185s. to 210s. per cwt., as to quality. Socotrine, 160s. to 180s. per cwt., spot. A moderate request for Cape.

**BALSAMS.**—*Canada* is quoted at 20s. 6d. per lb., on spot. *Pará Copaiba* (soluble) 4s. 9d. to 5s. per lb., spot. San Salvador, *Peru*, 4s. 11d. per lb. duty paid. *Tolu* for immediate delivery is offered at 11s. 9d. to 12s. per lb.; shipment 10s., c.i.f.

**BENZOIN.**—Sumatra block on spot is from £14 to £15 per cwt., as to quality; Sumatra almonds, £45. Siam free almonds, spot, £120 per cwt.

**BUCHU.**—Short rounds are quoted at 3s. 11d. to 4s. per lb., spot; ovals are offered at 3s. 6d. A fair export inquiry.

**CALUMBA.**—Natural root of indifferent quality is available on the spot at 77s. 6d. per lb.

**CAMPHOR.**—Chinese tablets are offered at from 7s. 6d. (1-oz.) to 8s. 6d. (1-oz.); refined natural powder (B.P.) 6s. 6d.; B.B. grade, 6s. 3d.; slabs (2½-lb.) 7s. 3d.; crude powder, 6s. per lb., all spot London, duty paid. English synthetic powder, B.P., is quoted at 5s. per lb. and technical at 3s. 9d. per lb., in 100-lb. lots.

**CAPSICUMS.**—African on spot is offered at from 90s. to 130s. per cwt., as to quality.

**CASCARA SAGRADA.**—1947 peel is offering at 175s. per cwt., duty paid; 1946, 185s. to 190s., as to holder.

**CHILLIES.**—Supplies of Mombasa on spot are low; prices are unchanged at 125s. per cwt. Zanzibar is offered at 135s. and Japanese-type at 160s. per cwt., spot.

**CLAVES.**—Zanzibar, spot, quoted at 1s. 1d. per lb.; shipment, 1s. 1½. c.i.f. Madagascar, spot, in bond, 10½d.; shipment, 10d., c.i.f. Penang, spot, 3s. per lb.

**COCOA BUTTER.**—Maximum controlled price is now 4s. 4½d. per lb., delivered.

**COLCHICUM.**—Corms on the spot, offered at prices from 6s. to 6s. 6d. per lb. Seeds, shipment, 12s. 6d., c.i.f.

**COLOCYNTH.**—Pulp on the spot is offered at prices from 1s. 7½d. per lb.

**CUBEBS.**—Steady. Spot quotations are at 3s. 9d. per lb., duty paid.

**DIGITALIS.**—English leaves are quoted at from 2s. 3d. per lb.; powder, B.P., is offered at about 5s. 9d. per lb.

**DRAGONS BLOOD.**—Singapore reboiled No. 1, £65 per cwt., spot; No. 2, £50 per cwt.

**ELEMI.**—Manila No. 1 gum is offering in London at 2s. to 2s. 3d. per lb.

**EPHEDRA.**—Herb is offered at around 62s. 6d. to 67s. 6d. per cwt., ex wharf.

**ERGOT.**—Portuguese on spot, firm at 5s. 6d. per lb.; forward, 5s. 6d., c.i.f.

**FRANGULA.**—Supplies of bark on spot are offered at from 110s. to 112s. per cwt.

**GALANGAL.**—Supplies in bond are offering at 97s. 6d. per cwt.

**GALLS.**—Steady. Persian blues quoted on spot at 260s. per cwt.

**GAMBOGE.**—Siam pipe on the spot is offered at £50 per cwt., duty paid.

**GENTIAN.**—French natural on the spot is offered at 60s. per cwt.; sliced root, 75s.

**GINGER.**—African on spot is offering at 95s. per cwt.; forward, 85s., c.i.f., sellers. Jamaican No. 1 is quoted at 135s., spot; No. 2, 130s., spot; No. 3, 125s., spot, and forward, 115s. per cwt., c.i.f., sellers.

**GUAIACUM RESIN.**—Steady. Prices are from 2s. 4½d. to 2s. 6d. per lb., spot.

**GUM ACACIA.**—Kordofan cleaned sorts on the spot, steady at 62s. per cwt.; shipment, 55s., c.i.f. Bleached No. 1, 117s. 6d., spot; shipment, 90s., c.i.f. Talha, on spot, 44s. per cwt.; forward, 38s., c.i.f.

**HENNA.**—Sudanese new-crop leaves, offered at about 95s. per cwt., spot; Indian, 85s. per cwt.

**IPECACUANHA.**—Spot quotations for Nicaraguan or Costa Rican are from 23s. per lb.; shipment, March-April, 21s., c.i.f. Matto Grosso, for shipment, 25s. per lb., c.i.f.; inquiry is lacking.

**IRISH MOSS.**—Steady. French select bleached, 120s. per cwt.; No. 1, 105s.; No. 2, 95s. per cwt.

**JABORANDI.**—Spot quotations are around 75s. to 80s. per cwt., as to quality.

**JALAP.**—Vera Cruz, spot, 2s. 6½d. to 3s. per lb. as to test (10 to 15 per cent. resin). Brazilian (13 per cent.), 1s. 6d.

**KAMALA.**—Quoted at 2s. 3d. per lb., spot.

**KOLA NUTS.**—African quarters are offered at about 6d. per lb.; halves from 2d. to 2½d. Jamaican washed halves are quoted at 3d. per lb.

**KARAYA.**—Steady. No. 1 gum on spot is quoted at 215s.; to arrive, 205s., c.i.f. No. 2, 180s. per cwt., spot.

**KINO.**—Indian gum is offering on the spot at 6s. 9d. per lb.

**LIQUORICE.**—Anatolian natural root on spot is offered at from 47s. to 47s. 6d. per cwt.; Syrian, 40s.; Russian, 45s. 6d. to 46s. Italian block on spot is obtainable at 175s. per cwt.; Italian stick is quoted at 295s. to 560s. per cwt., as to grade. Turkish block is offered at 210s. to 230s. per cwt.; Turkish stick is available at 3s. per lb. American block is from 160s. per cwt.

**MACE.**—West Indian blade on the spot quoted at 6s. 8d.; pickings, 4s. 6d. to 6s. per lb., according to quality.

**MENTHOL.**—Brazil on spot is offered 39s. 6½d. per lb., duty paid; in bond, 37s. 6d.

**MERCURY.**—Ex warehouse, £18 10s. per flask; shipment, £17 17s. 6d., c.i.f. U.K.

**MYRRH.**—Aden sorts on the spot are offered at £12 per cwt.; siftings, £6 10s. £7 per cwt.

**NUTMEG.**—Steady. West Indian 80's the spot, 3s.; sound unassorted, 2s. 8d. wormy and broken, 1s. 6d. per lb.

**NUX VOMICA.**—Cochin on spot is offered at 36s. 6d. to 38s. 6d.; Mangalore is quoted at 34s. 6d. to 36s.; Madras, 34s. to 36s. per cwt. In little request.

**OLIBANUM.**—Steady. Fair drop is offered at 150s., peas at 190s., fair garblings, 125s. and siftings at 80s. per cwt., spot. The primary market is firm.

**OPIUM.**—Turkish (12 per cent. alkaloid in original cases (170-lb.) is offering on the spot at 5s. 1½d. per unit.

**ORANGE PEEL.**—Spanish quarters, 1s. 9d. to 1s. 5d., spot; sweet ribbon, 1s. 9d. Seville bitter ribbon, 1s. 1d.; thin-cut, Tripoli, 1s. 2d. per lb.

**ORRIS.**—Florentine root on the spot offered at 125s. per cwt.; Verona root, spot, 105s. per cwt. quoted.

**PAPAIN.**—Quiet. East African No. 1, white, on the spot, 16s. 6d. per lb.; Ceylon brown, 12s. per lb.

**PIMENTO.**—Quiet. Quotations are unchanged at from 1s. 2d. per lb., spot; to arrive, 119s. per cwt., c.i.f.

**PODOPHYLLUM.**—Steady. American (*peltatum*), spot London, 290s. per cwt. Indian (*emodi*) from 305s. to 315s., spot; forward, 290s. to 300s. per cwt., c.i.f.

**PSYLLIUM SEED.**—French black is quoted at 2s. per lb., duty paid; Indian (ispaghula), 120s. per cwt., spot.

**QUASSIA.**—Spot quotations for chips are 35s. to 36s. per cwt., as to holder.

**QUILLAIA.**—Natural bark is in short supply on spot; prices are from 92s. 6d. to 95s. per cwt.; cut bark, 125s. per cwt. crushed, 120s.

**QUINCE SEED.**—Steady. Cape on spot quoted from 3s. 9d. per lb.

**RHATANY.**—Quiet. Spot quotations are unchanged at 9½d. per lb.

**RHUBARB.**—Chinese rough round on spot is 4s. 6d. to 4s. 9d. per lb. for sound root, good fracture. Wormy material is available at 2s. 6d. to 3s. per lb.

**SANDARAC.**—Spot quotations are 5s. 9d. per lb.; aloof, 5s. 3d., c.i.f.

**SARSAPILLA.**—Jamaica native root on the spot, is offered at 2s. per lb. "Jamaica" grey, in hanks, 4s. per lb.

**SEEDS.**—Prices of ANISE are unchanged. Cyprus is 1s. 4d. per lb., and Turkish, 3½d. per lb., duty paid, spot London. CARAWAY.—Dutch remains at 122s. 6d. per cwt., duty paid in London. CELERY.—Quiet. Indian is offered at 1s. per lb., spot London or Liverpool. CORIANDER.—Market slier. Argentine, quoted at 32s. 6d. per cwt., duty paid, spot London or Liverpool; Morocco sold at 35s. per cwt., duty paid, spot London. CUMIN.—Unchanged. Cyprus 185s. per cwt., spot London or Liverpool. Indian is quoted at 180s. per cwt., spot London or Liverpool. DILL.—More inquiry. Indian offered at 47s. 6d. per cwt., spot London or Liverpool. FENNEL.—Quiet and unchanged. Indian is 67s. 6d. per cwt., spot London or Liverpool. FENUGREEK.—Small business reported. Indian, on spot, sold at 54s. per cwt. in London; Morocco, offered at 53s. 6d. per cwt., duty paid in London.

SENNA.—Tinnevely leaves, spot, No. 1, to 10d. per lb.; No. 2, 7d. to 7½d.; No. 3, 4½d. to 5½d.; Tinnevely pods, hand-picked, 8½d. to 1s. 4d.; manufacturing, 4½d. to 5d. Alexandrian pods, hand-picked, spot, from 4s. 9d. to 5s. 9d., according to quality of seller; medium, 2s. 9d.; manufacturing, from 1s. to 1s. 9d. per lb.; Alexandrian leaves, f.a.q., 1s. 2d.

SHELLAC.—Price of F.O.T.N., pure, is 30s. and F.O. Standard 1, 345s.; fine range is 370s. to 410s. per cwt., all ex London warehouse.

SQUILL.—Italian fair white on spot is 5s. 6d. per lb. No No. 1 white available.

STRAMONIUM.—Quiet. Indian on spot offered at 55s. per cwt.

STROPHANTHUS.—Steady. *Kombé*, 100 per cent., spot, is quoted at 11s. 6d. per lb.

STYRAX.—Spot supplies are available at from 6s. 3d. to 6s. 6d. per lb., duty paid.

TONKA BEANS.—Steady. Spot quotations are at 5s. 9d. per lb. for Pará blacks, and 4s. for Trinidad frosted.

TURMERIC.—Madras finger is quoted at 80s. per cwt., spot; shipment, March-April, 87s. 6d., c.i.f.; April-May, 85s., c.i.f.

WAXES.—Dar-es-Salaam BEES' on spot offered at 330s. per cwt.; shipment, 35s., c.i.f.; Benguela, in bond, 310s.; shipment, 290s., c.i.f. CANDELILLA.—Spot offers are at 407s. 6d. per cwt.; March delivery, 390s. CARNAUBA.—Prime yellow now 660s. per cwt., spot; shipment, 580s. c.i.f. Fatty grey, spot, 450s. per cwt.; shipment, 385s., c.i.f., buyer's licence. Pale grey, spot, 435s. per cwt.; shipment, 370s., c.i.f. MONTAN.—Reibeck, spot, 5s. per cwt.; 225s., March delivery. Czechoslovak crude, spot, 230s. per cwt.; March delivery, 210s. OURICURI.—1 per cent., 410s. per cwt., c.i.f.; 2.8 per cent., 40s., spot; shipment, 400s., c.i.f.; 6 per cent., 420s., spot, and forward, 390s., c.i.f. per cent., 405s. per cwt., spot. SPERMAT.—Spot offers are at 2s. 8d. per lb.

## Essential and Expressed Oils

ALMOND.—B.P. sweet oil is offered at 5s. to 6s. per lb., as to quantity. Bitter essential oil is offered at from 27s. 6d. to 60s. per lb., as to grade.

ANISE.—Steady. Chinese star, in drums, quoted at 4s. 9d. to 5s. per lb.; 5s. 6d. per lb. for tins in cases; near afloat, 4s. 9d., c.i.f.; for shipment, 4s. 8d., c.i.f.

APRICOT KERNEL.—Supplies are offered at around 5s. 9d. per lb.

BAY.—West Indian on the spot is quoted at from 6s. to 7s. 6d. per lb.

CADE.—Spanish oil, B.P., on spot is offered at from 3s. to 3s. 3d. per lb. upwards, as to quantity.

CAJUPUT.—B.P. is offering at from 23s. to 25s. per lb., spot.

CAMPHOR.—White oil on spot is quoted at from 2s. 3d. to 2s. 4d. per lb., duty paid; brown, shipment, 2s. 6d., c.i.f.

CARAWAY.—English-distilled is offered at from 37s. to 40s.; imported, 27s. 6d. to 30s. per lb., as to quantity.

CASSIA.—Spot quotations are from 14s. to 15s. per lb.; 10s. 3d., c.i.f.

CITRONELLA.—Ceylon is offering at around 3s. 11d. to 4s. per lb., spot; forward, 3s. 6d., c.i.f. Java is quoted at 8s. 3d. to 8s. 6d. per lb., spot; for shipment from origin, 7s. 9d. per lb.

CLOVE.—Steady. Quotations for English-distilled bud oil are at from 10s. 3d. to 11s. per lb., according to quantity. Madagascar is offered at about 7s. 6d.

DILL.—English-distilled is scarce and prices are from 65s. to 70s. per lb.

EUCALYPTUS.—A dull market. Spot quotations for 70-75 per cent. (B.P.) are from 3s. per lb. for drums, and up to 3s. 6d. for smaller quantities; shipment, 2s. 9d., c.i.f.

LAVENDER.—French, 38-40 per cent., on spot, is quoted at from 14s. to 16s. per lb.; 40-42 per cent., 15s. 6d. to 18s. Spanish spike is offering at 7s. 6d. per lb., spot.

LEMONGRASS.—Spot quotations are at 7s. to 7s. 2d. per lb.; 6s. 9d., c.i.f.

NUTMEG.—Prices of English-distilled oil are unchanged at 37s. 6d. to 40s. per lb.

PALMAROSA.—Spot supplies are offered at 32s. 6d. per lb.; forward, 29s. 6d., c.i.f.

TEASEED.—Spot supplies of edible are offered at from 25s. to 28s. per gall. of 9 lb.

TURPENTINE.—Board of Trade revised selling prices per cwt. from March 1 are: U.S. gum spirits, 67s.; Portuguese gum spirits, 63s.; U.S. wood turpentine, 60s. Prices are net, naked ex U.K. store. The price of PINE OIL is now £60 per ton, net, naked ex U.K. store, loaded 45-gall. drums. Smaller quantities of pine oil will be charged as follows:—5-gall. free drums, 7s. 9d. per gall.; 10-gall. drums, 7s. 3d. per gall., ex warehouse.

## COMING EVENTS

### Monday, March 7

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Market Room, Golden Lion Hotel, Romford, at 7.30 p.m. Dr. D. G. Garratt (formerly Camberwell public analyst) on "The Work of a Public Analyst."

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon Hotel, Southampton, at 7.30 p.m. Mr. Ernest Skues on "The Work of the National Pharmaceutical Union."

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central Library Hall, Beckenham, at 8 p.m. Dr. I. Michaels on "Pharmaceutical Practice in Switzerland."

### Tuesday, March 8

ASSOCIATION OF PHARMACEUTICAL EMPLOYEES, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Conference of employee pharmacists in retail, on "The J.I.C. Breakdown—What Next?"

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Medico-chirurgical Society, 64 St. James' Street, Nottingham, at 7.15 p.m. Dr. H. Davis (chief pharmacist, Ministry of Health) on "The National Formulary."

WALSALL BRANCH, PHARMACEUTICAL SOCIETY, Pattison's Café, The Bridge, Walsall, at 7.45 p.m. Film show, Programme includes "Take Thou" and "Penicillin in Medical Practice."

### Wednesday, March 9

CHESTER BRANCH, PHARMACEUTICAL SOCIETY, Grosvenor Hotel, Chester. Annual dinner.

DURHAM COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Garden House, North End, Durham, 7 for 7.30 p.m. Annual dinner (tickets, 10s. 6d. each).

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Kerswell's Restaurant, Eastcote, at 7.15 p.m. Annual dinner and dance (tickets, 10s. 6d. each, from Mr. H. W. Toms, 21 Hillcroft Avenue, Pinner).

LIVERPOOL CHEMISTS' ASSOCIATION, Derby Room, Adelphi Hotel, Liverpool, 7 for 7.30 p.m. Centenary dinner (tickets, 21s. each).

### Thursday, March 10

BRADFORD BRANCH, NATIONAL PHARMACEUTICAL UNION, Room 14, Midland Hotel, Bradford, at 7.45 p.m. Mr. J. Wright (N.P.U. National Health Service department) on "N.H.S. Questions and Answers."

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, Chamber of Commerce, Small Street, Bristol, at 7.15 p.m. Dr. J. Hutton (chief assistant medical officer of health, Bristol) on "The Work of the Health Department" (including reference to immunological work of department).

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Fuller's Café, Harrogate, at 7.30 p.m. Illustrated lecture by Mr. J. B. Firth, D.Sc., F.R.I.C., M.I.Chem.E. (director, North-western Forensic Science Laboratory).

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Cambridge Restaurant, Cambridge Street, Sheffield, 7.45 for 8 p.m. Dinner and entertainment (tickets, 10s. 6d. each, from Mr. S. Durham, 29 Stephen Hill Road, Sheffield, 10).

WALSALL BRANCH, PHARMACEUTICAL SOCIETY, Masonic Hall, Walsall, 8 p.m.—1 a.m. Dance (informal dress, tickets, 3s. 6d. each).

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Green Man Hotel, Bromley Road, London, S.E.6. 7.30 p.m. to midnight. Dance in aid of Society's Benevolent Fund. Tickets 7s. 6d. each.

WESTON-SUPER-MARE PHARMACEUTICAL ASSOCIATION, Ricardo's Restaurant, Weston-super-Mare, 7 p.m.—1 a.m. Annual dinner and dance (tickets, 12s. 6d. each).

FINE CHEMICALS GROUP AND NOTTINGHAM SECTION OF SOCIETY OF CHEMICAL INDUSTRY, Gas Company Showrooms, Parliament Street, Nottingham, 6.30 p.m. Dr. J. C. McGowan and Mr. J. Grove on "Applications of Physical Chemistry to the Study of Certain Biologically Active Compounds" (part of two-day programme).

### Friday, March 11

BIRKENHEAD AND WIRRAL PHARMACEUTISTS' ASSOCIATION, Central Hotel, Birkenhead, at 7.45 p.m. Discussion on National Health Service to be opened by Mr. J. Butler, Ph.C. (Liverpool School of Pharmacy) on "The National Formulary."

NATIONAL ASSOCIATION OF WOMEN PHARMACEUTISTS holding its members' night at 17 Bloomsbury Square, London, W.C.1, on Friday, March 24 7 p.m. (and not as originally arranged).

BIRKENHEAD AND WIRRAL PHARMACEUTISTS' ASSOCIATION is holding a "stag party" at the Britannia Inn, Port Sunlight, on Friday, March 18. Tickets 5s. each.

## TRADE MARKS

(From the "Trade Marks Journal," February)

"EAGLESCLIFFE BRAND" encircling "E.C.C." monogram form; by the Eaglescliffe Chemical Co., Ltd., Eaglescliffe, co. Durham; B660, 661.

For all goods (1).  
"CALORET"; by Charmain Products, Ltd., London, S.E.1; 667,850. For pads for use in waving (3).

"ADALIN"; by Bayer Products, Ltd., London, W.C.2; 663,615. "LIVOGLAINE"; by Glaxo Industries, Manchester; 664,170. "TETRAMON" in distinctive lettering; by Chas. Zimmernann & Co., Ltd., London, E.C.3; 668,669.

"SULFA-TRES"; by U.S. Vitamin Co., New York; 669,153. "PARAMISAN"; by H. Pharmaceuticals, Ltd., Welwyn Garden City; 669,686. "MEFAROL"; by Bayer Products, Ltd., London, W.C.2; 669,743. "CHELIDON"; by Willington Medicals, Ltd., Shrewsbury; 669,785. "TETRAMON"; by Parke, Davis & Co., Detroit; 670,166. "PYELOSOM"; by Glaxo Laboratories, Ltd., Greenford; 675,407.

pharmaceutical preparations (5).  
"ENALON"; by Engineering & Allied Manufacturing Co., Ltd., London, W.2; 669,228. scientific apparatus and instruments (9).

"TELEX"; by James Cunningham Beattie, London, W.1; 659,193. For hearing aids (10).  
"BIOSOL"; by Philips Electrical, Ltd., London, W.C.2; 666,921. For electro-medical apparatus (10).

"FLORAMYCIN"; by the Wellcome Foundation, Ltd., London, N.W.1; B665,097. For antibiotics (5).

"CHERE MADAME"; by Société Technique Parfumerie F. Millot, Paris; B666, 667. "PURITAN" on label device; by Christopher Thomas & Bros., Ltd., Bristol; 667, 668. "TRIFFIC"; by Pride Products, Leeds; B675, 676. For non-medicated toilet preparations (3).

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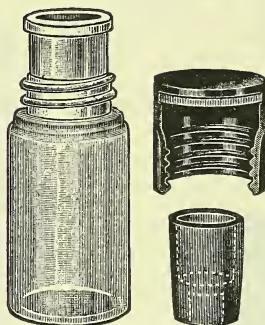
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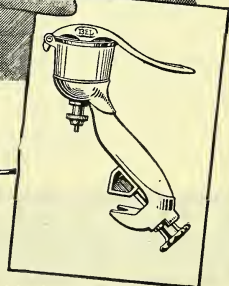
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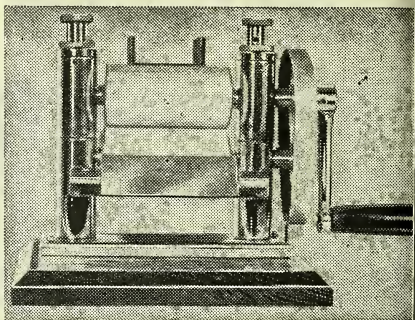
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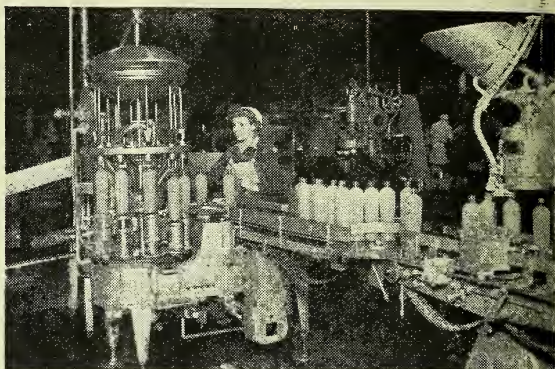
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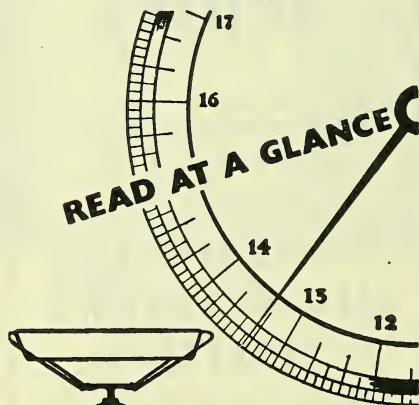
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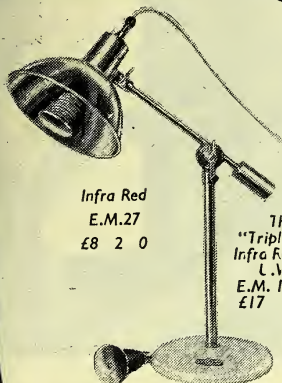
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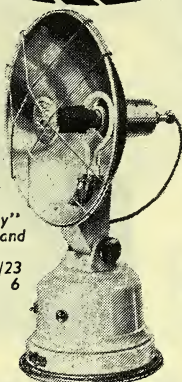
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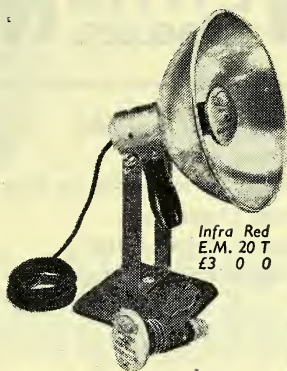
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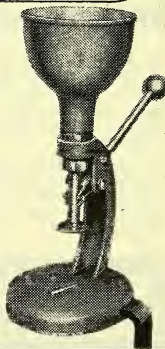
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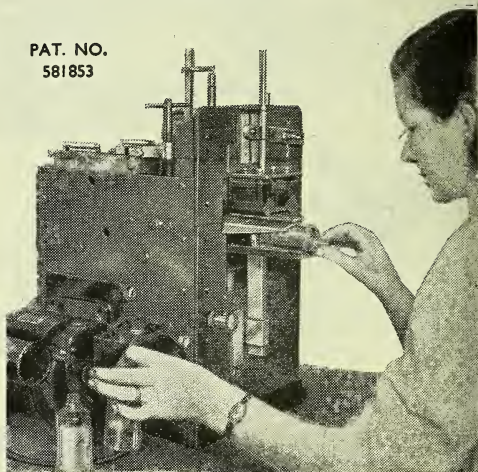


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